

# jaga

CLIMATE DESIGNERS

Heating



Light cooling



Deep cooling



FOR A BETTER CLIMATE, INDOOR AND OUTDOOR



€ EX 01/2024



**HEATING**

Economical heating at **water temperatures above 45 ° C.**

**WALL**



STRADA  
p. 30



LINEA PLUS  
p. 38



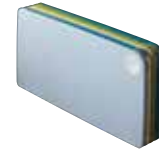
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p. 46



MINI WALL  
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KNOCKONWOOD  
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PANEL PLUS  
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HEATWAVE  
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**INSTALLATION IN A WALL RECESS**



INSTALLATION IN A WALL RECESS  
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**FLOOR FREESTANDING**



MINI  
p. 136



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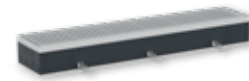


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**TRENCH HEATING**



MINI CANAL  
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MICRO CANAL  
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IGUANA APLANO  
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TETRA  
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DECO SPACE  
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PANEL PLUS  
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Jaga reserves the right to change product specification at any time in line with our policy of continuous improvement and innovation All prices in Euro, exclude VAT Prices valid from Januari 1, 2024. Replaces all existing price lists.



D-FLOW. THE NEW OXYGEN SYSTEM  
For more info see:  
[www.jaga.com/Products/ventilation/oxygen.html](http://www.jaga.com/Products/ventilation/oxygen.html)

suitable for ventilation



UNIT HEATER AVS  
Ideal for large spaces.  
p. 184

## DYNAMIC RADIATORS - P. 200



### + LIGHT COOLING

Economical heating at the **lowest water temperatures** and suitable for light cooling (non-condensing).



STRADA HYBRID  
p. 208



DBH UPGRADE SET  
p. 228



INSTALLATION IN A WALL RECESS HYBRID  
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MINI HYBRID  
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MINI CANAL HYBRID  
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CLIMA CANAL 08  
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## DYNAMIC FANCOIL RADIATORS - P. 262



### + DEEP COOLING

**Highest output** in heating, light cooling (non-condensing) and deep cooling (condensing).



BRIZA 12  
p. 266



BRIZA 22  
p. 284



BRIZA 12  
p. 266



BRIZA 22  
p. 284

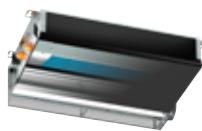


FREEDOM CLIMA  
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### BUILT-IN CEILING



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### CEILING MOUNTED MODEL



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BRIZA 22  
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**BELGIUM JAGA NV**

Jaga advies centrum | Verbindingslaan 16 | 3590 Diepenbeek  
+32 (0) 11 29 41 11 info@jaga.be jaga.be

**THE NETHERLANDS JAGA KONVEKTCO BV**

Jaga Konvectco Showroom | De Meerheuvel 6 | 5221 EA 's-Hertogenbosch  
073 63 123 60 info@jaga.nl jaga.nl

**GERMANY JAGA DEUTSCHLAND GMBH**

Adenauerstrasse 20 | Gebäude A21. | 52146 Würselen  
+49 2405 892 414-0 info@jaga.de jaga.de

**FRANCE JAGA FRANCE**

130 Boulevard de la Liberté | FR-59000 Lille  
03 20 04 42 30 info@jaga.fr

**UNITED KINGDOM JAGA HEATING PRODUCTS (UK)**

Jaga House | Orchard Business Park Bromyard Road | Ledbury - Herefordshire HR8 1LG  
+44 (0) 1531 631533 jaga@jaga.co.uk jaga.co.uk

**CZECH REPUBLIC ORGANIZAČNÍ SLOŽKA**

U Trezorky 921/2 | 15800 Praha 5 - Jinonice  
+420 220 190 516 info@jagacz.com jagacz.com

**SPAIN CONVES**

C/ Campello 5 | 03509 Finestrat | Alicante  
966 83 03 03 proyectos@conves.es

**AUSTRIA JAGA AUSTRIA**

Josef-Koch-Straße 28 | 6440 Imst  
+43 65 0800 80 99 eapperle@jaga.be

**SWITZERLAND JAGA DEUTSCHLAND GMBH**

Adenauerstrasse 20 | Gebäude A21. | 52146 Würselen  
+49 2405 892 414-0 info@jaga.de jaga.de

**POLAND JAGA POLSKA SP. z o.o.**

Galeria Saska Kępa | ul.Zwycięzców 28 lok. 26 | 03-938 Warszawa  
+48 22 672 88 82 info@jaga.com.pl jaga.com.pl

**CANADA / UNITED STATES JAGA CANADA CLIMATE SYSTEMS INC**

375 University Ave. E. | Suite 205A | Waterloo, Ontario N2K 3M7 | Canada  
info@jaga-canada.com jaga-canada.com

**CHINA JAGA CLIMATE SYSTEM (SHANGHAI) CO., LTD.**

CoolDocks Building 4 (Bund Area), 207 | No.653, Waima Road | Huangpu District | Shanghai  
0086 21 32140929 400-820-6228 | danyu.sheng@jagachina.com | jagachina.com

**ALL OTHER COUNTRIES**

Jaga International  
+32 11 29 41 12 | export@jaga.be | jaga.com

## What about Jaga?!

Since its foundation in 1962, Jaga has focused on innovation, creativity and sustainability. Jaga is still an independent family business that follows its own course. A course in which social and ecological awareness are key and long-term thinking takes precedence. It allows Jaga to constantly invest in its own products. These products, according to the climate designer philosophy, use less energy and don't require as many materials to manufacture.

The products that leave the 50,000 m<sup>2</sup> large site in Diepenbeek can therefore be found all over the world and in a variety of buildings, including many ecological and certified projects (BREEAM, LEED ...). Jaga has branches or is represented in more than 25 countries, in Europe but also in countries such as Canada, USA, Russia, China ...





**jaga** CLIMATE DESIGNERS



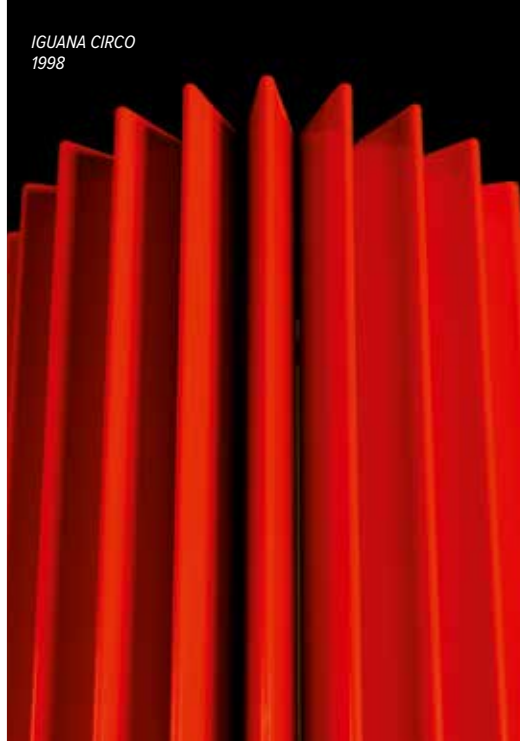
More products or info  
see [www.jaga.com](http://www.jaga.com)

A vintage-style photograph of a woman with blonde hair sitting on a red Eames-style chair. She is wearing a sleeveless, long-sleeved dress with a black base and a pattern of white and red flowers. She is holding an open magazine. The background features a window with white blinds and a light-colored wall with vertical decorative lines. A small table with two red mugs is visible in the lower left corner. The text "TIMELESS DESIGN SINCE 1962" is overlaid in white capital letters across the center of the image.

TIMELESS DESIGN SINCE 1962



LINEA PLUS  
1989



IGUANA CIRCO  
1998



KNOCKONWOOD FREESTANDING DBE  
2004



HEATWAVE  
2007

*Jaga radiators  
not only warm  
your home,  
they also warm  
your heart.*



PLAY  
2009



VERTIGA  
2011



FREEDOM  
2014



BRIZA 8  
soon



EUROPEAN DESIGN  
AWARD - LINEA PLUS  
1990



TROPHÉE DU DESIGN  
PARIS - GEO  
1997



ISH-DESIGN AWARD -  
IGUANA  
1999



IF-DESIGN AWARD  
- KNOCKONWOOD &  
STRADA  
2003



VIZO - TRIËNNALE -  
IGUANA & GEO  
2001



LEEUEW VAN DE EXPORT  
2003



COMPANY OF THE YEAR  
2003



BELGIAN BUILDING  
COMMUNICATION  
2004



HENRY VAN DE VELDE -  
BESTE DESIGN BEDRIJF  
2004



BENELUX EVENT  
AWARDS - BOOST  
PARTY  
2004



DESIGN MANAGEMENT  
EUROPE AWARDS  
2009



**DME AWARD**

HENRY VAN DE VELDE  
PUBLIC AWARD - PLAY  
2009



REDDOT DESIGN  
AWARD - TWINE  
2009



reddot design award  
winner 2009

REDDOT DESIGN  
AWARD - PRODUCT  
2013



reddot design award  
winner 2013

REDDOT DESIGN  
AWARD - AURORA  
2018



reddot award 2018  
winner

## Pioneer in timeless design

### THE LOOK OF THE HEATING UNIT FOREVER CHANGED

In 1989, Jaga was the first to win a design award with the **Linea Plus** thanks to an inventive and slimming perfo-grid.

The **Iguana** family, in turn awarded in 1999, meant a completely new design language for the heating industry. A new construction technique was developed especially for these units, which were based on a child's drawing of a radiant sun.

In addition to techniques and designs, Jaga also wasn't afraid to experiment with materials. **Knockonwood** was the first mass produced wooden designer heater. The frivolous, concrete curls of the **Heatwave** have proven to be the perfect combination between traditional finesse, industrial materials and production techniques.

### STANDOUTS IN DESIGN AND TECHNOLOGY

Climate change and an evolution in building techniques require an ecological approach for heating, cooling and ventilation. Jaga already developed the first dynamic heaters that can combine these functions in 2003, and you can find out how this gas grown into a wide range of ecological solutions for every season by taking a look at this catalog.



**jaga** CLIMATE DESIGNERS



More products or info  
see [www.jaga.com](http://www.jaga.com)



FOR A BETTER CLIMATE

Always honouring its values, Jaga Climate Designers continually look for the most ecological solutions for heating, cooling and ventilation.



## **Comfort, winter and summer**

### HEATING, COOLING AND VENTILATION

The Jaga “convector” has never been an ordinary radiator and now evolves into a climate cooler. The ultra-light heat exchanger of our first products already contained the base of all our new and future products. Hence our tech-

nological lead in lightweight, responsive and high-performance heat exchangers for what today has become a complete climate system for heating, cooling and ventilation.



## **Comfort, indoor and outdoor**

### EXTINGUISH THE FIRE

Climate Designer products are intended for the most environmentally friendly technologies, such as heat pumps and solar energy. Lightweight radiators performing outstanding with the lowest water temperatures and switching automatically between heating and cool-

ing. The all make sure you can create the best indoor climate with installations that require no fire (read: boiler). No fire means that Jaga Climate Designer products help to reduce carbon emissions and thus improve the outdoor climate.



## **Less material, more technology**

### A PERFECT EXAMPLE OF ECODESIGN

Climate Designer products consume less energy. But it is not only during their life that they are environmentally friendly. Since these products are much lighter and smaller than an equivalent capacity of other emitters or floor heating systems, the raw material requirement in manufacturing is also significantly reduced.

Furthermore, they last longer, have a 30-year guarantee, and are fully recyclable at the end of their life. Compared to other systems, Climate Designer products score remarkably better in LCA measures, which compare the environmental impact of products.

# jaga

CLIMATE DESIGNERS

## **CONCLUSION:**

### **Maximum indoor comfort, minimum carbon emission**

In every season a maximum indoor comfort with a minimum of pollution and a minimal use of raw materials: that's how we try to improve not only your indoor climate but also the outdoor climate. And that's why we think we can call ourselves, all our employees, all our installers and all our customers: Jaga Climate Designers!



**jaga** CLIMATE DESIGNERS



More products or info  
see [www.jaga.com](http://www.jaga.com)

The image features a background of vertical wooden slats, likely from a deck or bench, with a warm, natural wood grain. Scattered across these slats are several paper butterflies in various shades of light blue and lavender. The butterflies are cut out and appear to be resting on the surface. The text "OUR FIVE CORE VALUES" is centered horizontally across the middle of the image in a white, sans-serif font.

OUR FIVE CORE VALUES



**RESPECT  
NATURE**

Break through the traditional way of thinking by investing in the development of innovative products that consume less energy and fuel. The choice of the most ecological and sustainable path should no longer be an option. Instead, it must become the natural choice.



**AWAKE  
THE ARTIST**

Use innovative materials and production techniques, not only for better performance, but to find a path which goes beyond design. Elevate the Jaga products from design objects to objects of desire...



**DREAM  
A FUTURE**

Look ahead and dare to dream! Imagine a life without the energy sources that we know today. Design innovative products that have one foot in the next decade and develop new technologies and systems that give the earth every chance of a sustainable future.



**CREATE  
EMOTION**

Share passion and emotion. Since unique experiences have far greater impact. Join forces in the quest for survival models for the future. Invent, create and enjoy together.

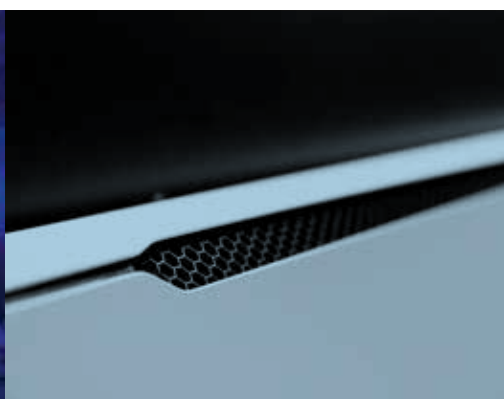
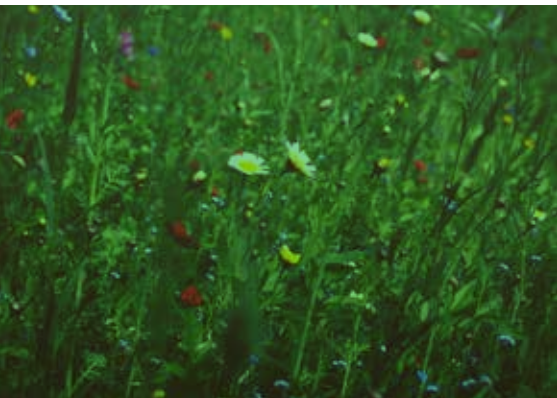
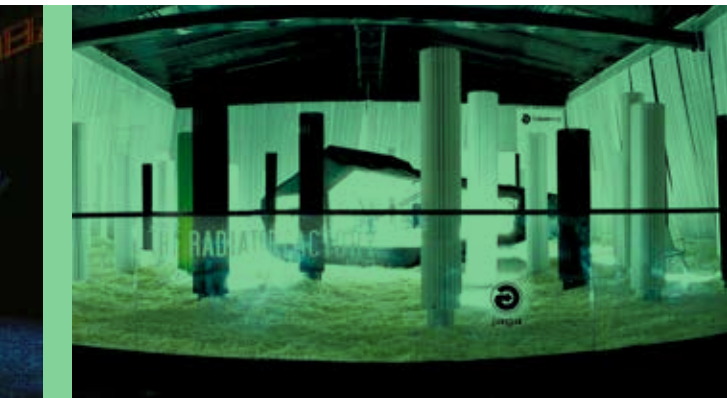


**BUILDING  
BRIDGES**

Building bridges between materialism and spirituality. Bringing together economists and creative souls. Do not leave the world to the calculators. Bring together different minds in the search for a universal survival model.










**jaga** CLIMATE DESIGNERS



More products or info  
see [www.jaga.com](http://www.jaga.com)

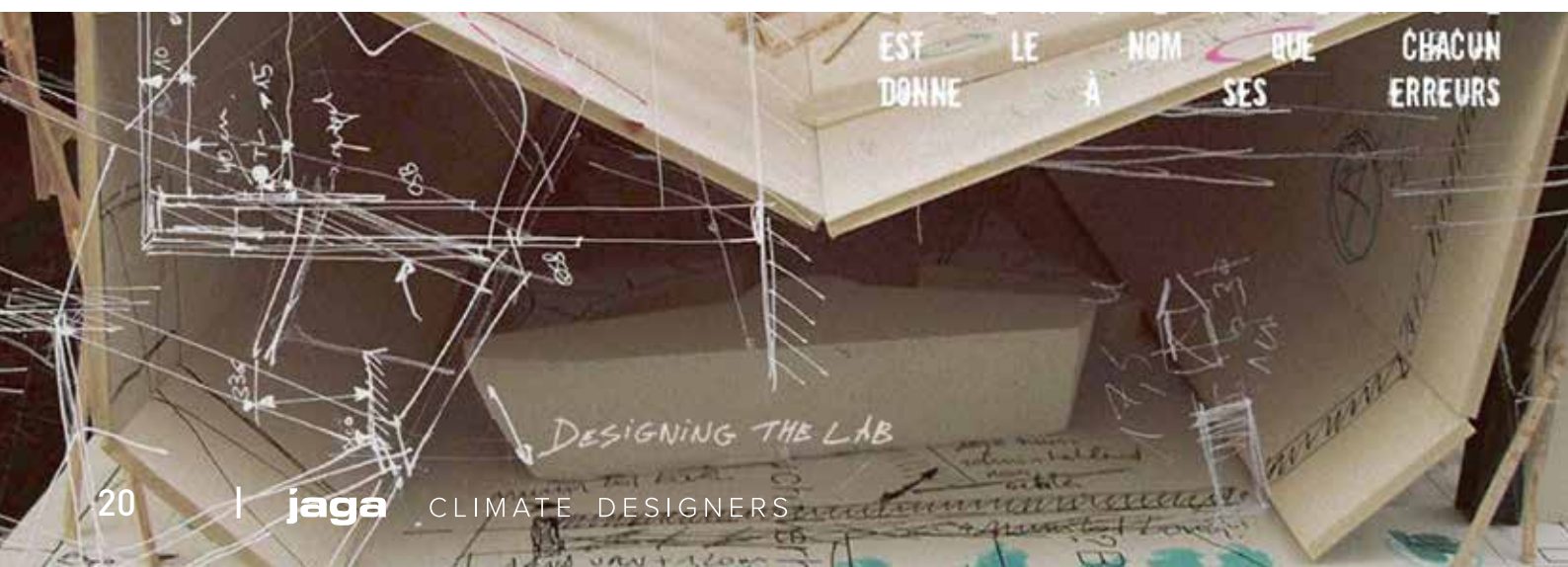


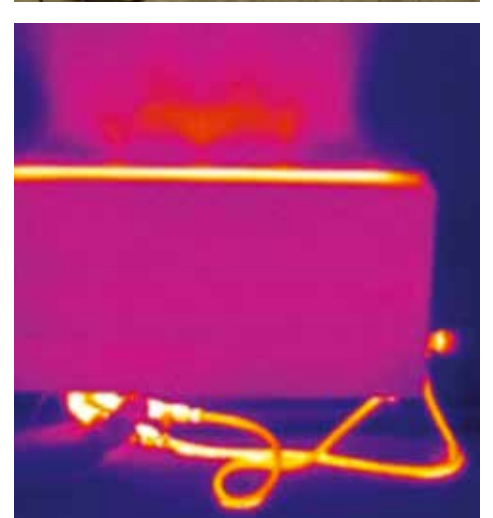
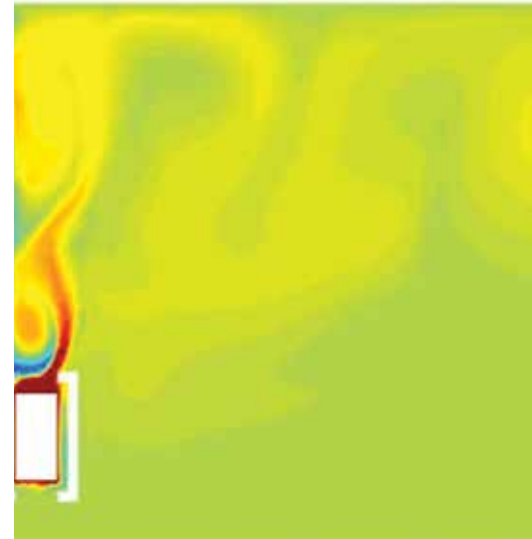
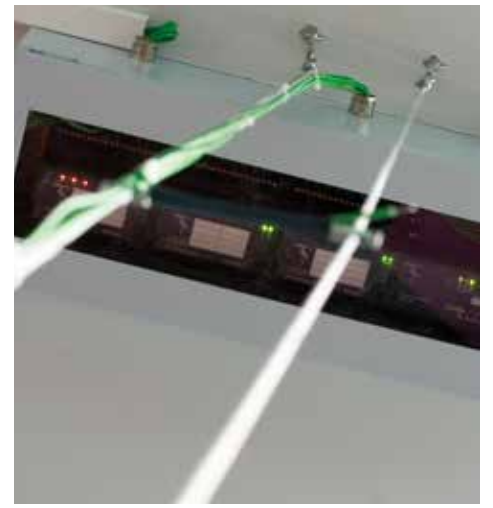
ENTER THE JAGA BRAIN



**THE JAGA EXPERIENCE LAB** is a unique scientific climate lab for comparative research and simulations between different heating or cooling systems. **The Lab consists of a 600 m<sup>3</sup> large climate room with two identical houses, a DIN test booth and a multifunctional auditorium.**

Extreme weather conditions can be simulated, with temperatures ranging from -30 °C up to + 30 °C. Both in the houses and in the climate chamber, several measurements are continuously made: air temperature, temperature of walls, black ball radiation temperature, water temperature in supply and return pipes, CO2 levels, humidity level etc. In total, around 120 measurements are digitized on site by the climate logger in the control room. All data can be visualized and projected so that visitors in the auditorium can follow the tests live.





**jaga**


CLIMATE DESIGNERS



More products or info  
see [www.jaga.com](http://www.jaga.com)

An aerial photograph of a mountain range covered in snow, with a red semi-transparent overlay on the right side. The text is centered in white, bold, uppercase letters.

**HEATING WITH  
THE MOST ECONOMICAL HEATERS**



*Jaga radiators  
not only warm  
your home,  
they also warm  
your heart*



## **WALL HORIZONTAL**

Strada	p. 30
Linea Plus	p. 38
Tempo	p. 46
Mini	p. 56
Knockonwood	p. 60
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Panel Plus	p. 68
Heatwave	p. 74

## **WALL BUILT-IN**

Installation in a wall recess	p. 78
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## **WALL VERTICAL**

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## **TOWEL RADIATORS**

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## **FLOOR FREESTANDING**

Mini Freestanding	p. 136
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Panel Plus Freestanding	p. 156

## **FLOOR BUILT-IN**

Mini Canal	p. 160
Micro Canal	p. 178

## **HEATING FOR LARGE SPACES.**

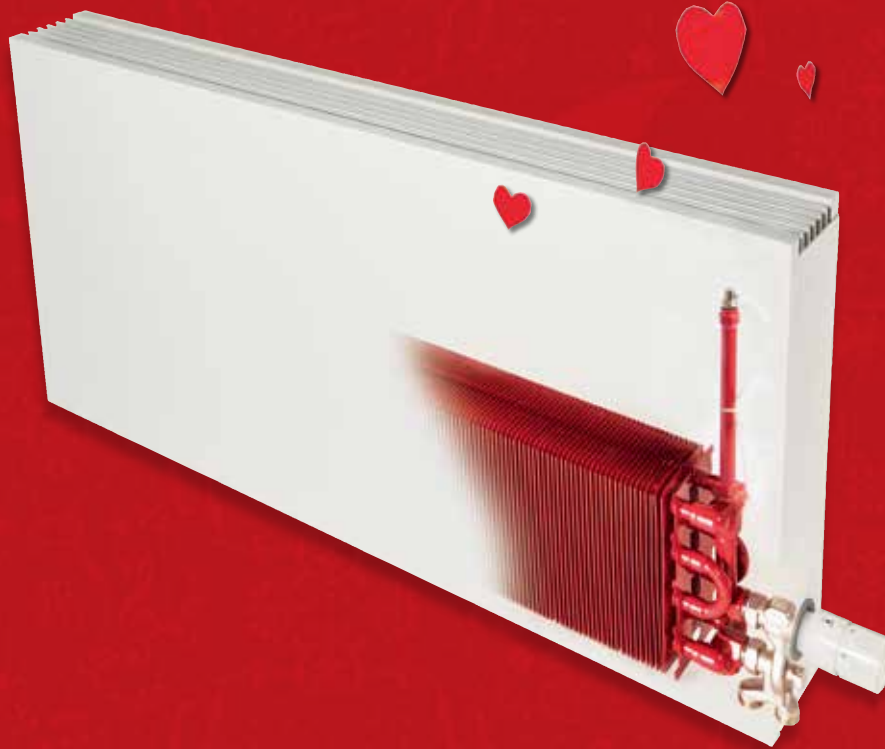
AVS Unit heater	p. 184
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# JAGA LOW-H<sub>2</sub>O SELECTED AS THE MOST ECONOMICAL RADIATOR

## ENERGY SAVINGS OF UP TO 16%

Jaga's Low-H<sub>2</sub>O heating unit has been tested extensively over the years by various independent bodies in various countries. The Low-H<sub>2</sub>O heating units achieves the highest heat output efficiency. Low-H<sub>2</sub>O heating units are more economical at any water temperature. Significant energy savings are achieved

with heat pump installations as well as with traditional central heating installations! Jaga Low-H<sub>2</sub>O is 9 to 16% more economical than panel heaters and at least 5% more economical than floor heating.



**Kiwa Certification**  
 "Energy saving certification for Low-H<sub>2</sub>O heat exchanger in a Tempo casing"  
 Apeldoorn, 2014



**Réglementation Thermique**  
**BBC Bâtiments Basse Consommation**  
 France, 2012



**Technical University**  
 "Functioning of Low-H<sub>2</sub>O heating at low water temperature"  
 Eindhoven, 2001



**Building Research Establishment- UK**  
 "Energy efficiency benefit of low water content heat emitters"  
 Watford, 2003



**Wetenschappelijk Technisch Centrum Bouwbedrijf**  
 "Emission performance of radiators and convectors"  
 Brussel, 1981

# THE LOW-H<sub>2</sub>O TECHNOLOGY MAKES THE DIFFERENCE

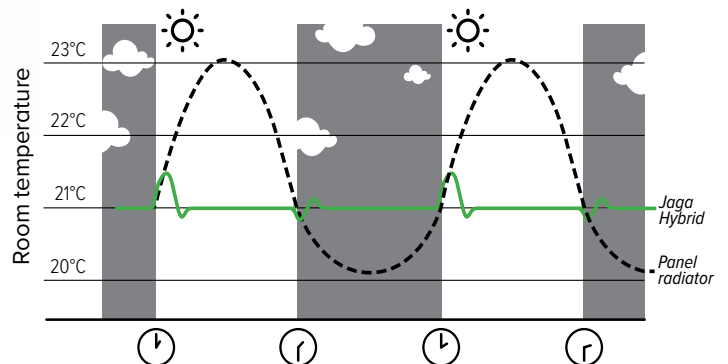
## THE LOW MASS RADIATOR WITH SUPER FAST HEAT EXCHANGERS

A small mass heats up faster than a large mass. That is a law of nature. Low-H<sub>2</sub>O radiators are much lighter and contain far less water than other radiators or underfloor heating systems. Thus they need no prior self-heating, and also immediately transfer the heat to the room. The ultra-modern aluminium and copper Low-H<sub>2</sub>O heat exchanger responds several

times faster than underfloor heating or other radiators. The heating also stops after reaching the optimal room temperature. For this reason, the Jaga Low-H<sub>2</sub>O radiator provides greater comfort with lower energy consumption.



*“Not only is there a clear connection between weight and energy consumption, but the installation is also much easier due to the unit’s low weight.”*



## LOW-H<sub>2</sub>O EVEN MORE COMPACT WITH THE BRAND NEW DBH SYSTEM

As they work at low water temperatures, sometimes no more than 35°C, heat pumps and solar energy systems require large heating units. The Low-H<sub>2</sub>O heating units, however, do not need to be this large, because due to the DBH (Dynamic Boost Hybrid) they deliver two to three times more heat. In addition, these heating units are also suitable for light

cooling, a passive, environmentally friendly way of cooling that is supplied by many heat pump systems. With DBH you can easily switch to all new ecological systems. This way you are well prepared for the future!

# JAGA LOW-H<sub>2</sub>O RADIATOR ECONOMICALLY AND ECOLOGICALLY THE BEST



## LOWER ENERGY CONSUMPTION

The savings proved by Kiwa will reduce the total characteristic energy consumption of an average home by 36 Megajoule per m<sup>2</sup>. An average home of 140 m<sup>2</sup> will save 141 m<sup>3</sup> gas per year, just by opting for Low-H<sub>2</sub>O radiators!



## LOWER CO<sub>2</sub>-EMISSIONS

The lower the energy consumption, the lower the CO<sub>2</sub> emission. A saving of 141 m<sup>3</sup> gas per home means a reduction of 293 kg/year in CO<sub>2</sub> emissions. This is quite significant, if you remember that an average car can cover 2000 km with the same CO<sub>2</sub> emission!



## LESS MATERIAL USE

The fact that a Jaga Low-H<sub>2</sub>O radiator is lighter and smaller than traditional radiators at the same power, means not as much raw material is consumed for production. Low-H<sub>2</sub>O radiators also have a longer life – they have a 30-year guarantee – and at the end of their life, they can be completely recycled. Nature wins hands down which every way you look at it!



## LOWER INVESTMENT

Since Jaga Low-H<sub>2</sub>O radiators are also efficient at high water temperature, a compact, cost-effective installation can also achieve an acceptable energy consumption. With Jaga Low-H<sub>2</sub>O radiators, these installations almost always earn the same number of EPC points under Dutch law, as low temperature installations with underfloor heating systems or panel radiators. A smaller investment will bring you the same advantage!

## BETTER ENERGY CERTIFICATES FOR BUILDINGS WITH JAGA LOW-H<sub>2</sub>O RADIATORS

The Low-H<sub>2</sub>O heating unit has a much smaller heat loss area and operates at the same low water temperature as underfloor heating. Because of the DBH system, there is no need for larger heating units. This is a sharp contrast with panel heaters. These do require larger heating units. The DBH (Dynamic Boost Hybrid) system, which has been specially developed for Low-H<sub>2</sub>O, provides twice the heat output and enables a maximum E-Level reduction with small heating units.




Go to [jaga.com/rekenmodules](http://jaga.com/rekenmodules) and easily calculate your heat loss, EPB or ventilation flow rate according to the latest NBN EN12831-1 norm.

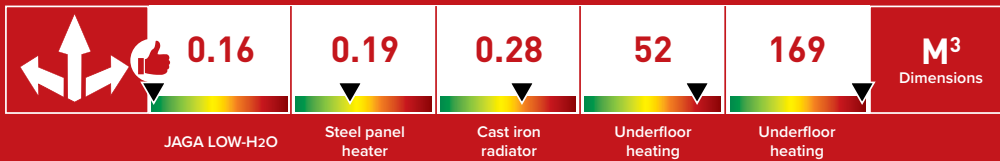
We will provide you, completely free of charge, with the detailed calculations and the accompanying documents!

# LOW-H<sub>2</sub>O: ENERGY AND MATERIAL EFFICIENCY COMPARISON

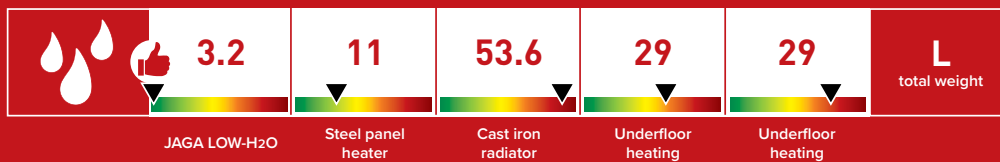
For 1000 Watts in case of 45/35/20 regime

JAGA LOW-H <sub>2</sub> O	Steel panel heater	Cast iron radiator	Underfloor heating	Underfloor heating
				
H 60 cm L 120 cm B 22 cm	H 60 cm L 140 cm B 22 cm	H 60 cm L 183 cm B 25 cm	Dry system 26 m <sup>2</sup> 2 cm screed	Wet system 26 m <sup>2</sup> 6.5 cm screed

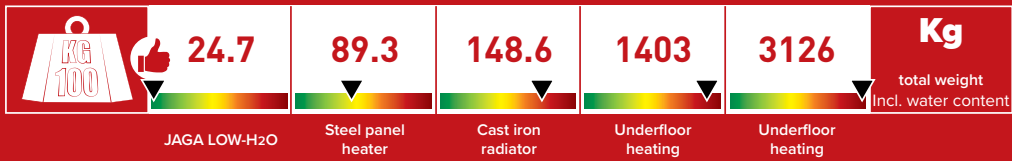
## THE LOW-H<sub>2</sub>O RADIATOR IS SMALLER



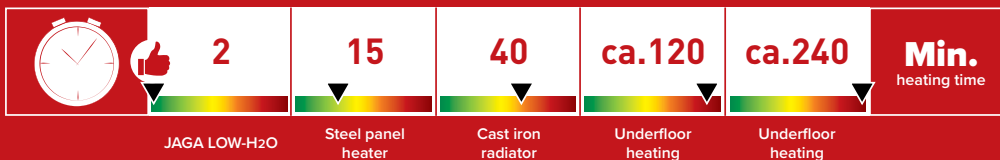
## THE LOW-H<sub>2</sub>O RADIATOR CONTAINS FAR LESS WATER



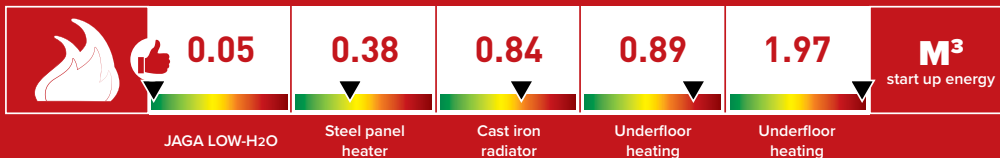
## THE LOW-H<sub>2</sub>O RADIATOR IS MUCH LIGHTER



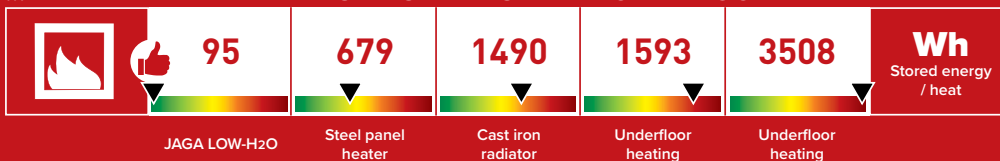
## THE LOW-H<sub>2</sub>O RADIATOR REACTS MUCH FASTER



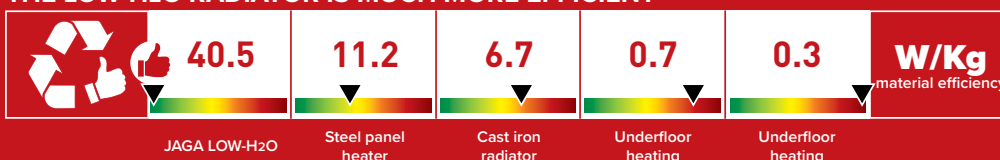
## THE LOW-H<sub>2</sub>O RADIATOR REQUIRES MUCH LESS ENERGY TO HEAT UP...



## ...AND IMMEDIATELY TRANSFERS ALL ITS HEAT TO THE ROOM



## THE LOW-H<sub>2</sub>O RADIATOR IS MUCH MORE EFFICIENT



# jaga

CLIMATE DESIGNERS

## STRADA

Warm power,  
cutting-edge design

- Discreet slim-line design with flat front panel and stylish aluminium grille.
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- Suitable for an integrated valve and concealed connection.
- Safe surface temperature.
- **A 30 year guarantee** on the heat exchanger.



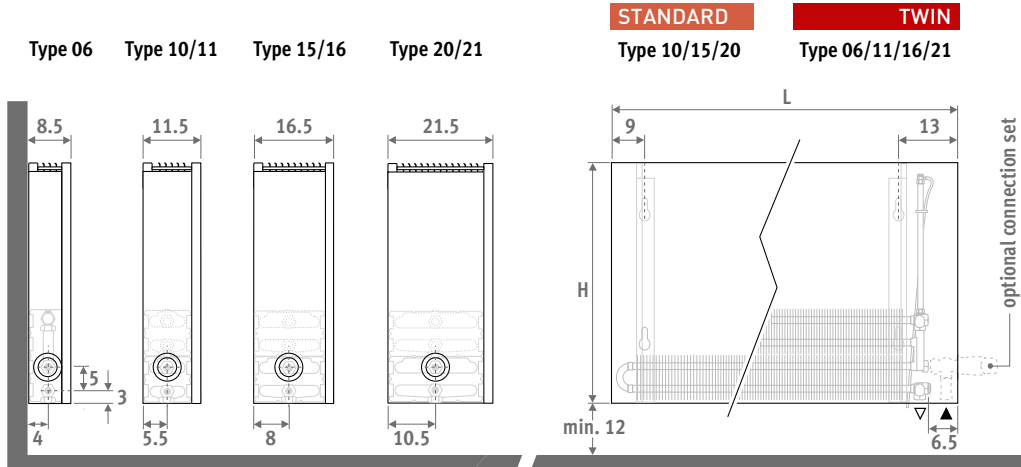
design award  
winner





STRADA

## DIMENSIONS (in cm)



## DELIVERY

Easy to install by one person. Delivered in a cardboard box, which can also be used as protection on site after installation.

Standard delivery:

- Low-H<sub>2</sub>O heat exchanger with wall brackets, fixing kit, extended air vent 1/8" and drain plug 1/2"
- partially pre-mounted casing for connection left or right at low level
- cover plate in stainless steel effect for the side panel at the opposite end from the valve

## COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
- sandblast grey (001), fine texture metallic lacquer
- off-black RAL 7021 (145) Soft touch: finely textured matte look, gloss degree < 10%

Other colours: see colour chart.

## CONNECTION

Standard connection:

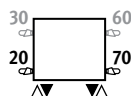
Bottom end left or right, to the wall or to the floor. Connection to the wall via the bottom of the casing, or totally concealed within the casing, depending on the valve or connection set chosen.

Optional high level valve:

add to the code of the radiator /30 (left) or /60 (right)

Ex. STRW.035 050 06.xxx/60

High level valve details : see "Connection sets & Valves".



Optional remote controlled valve:

add to the code of the radiator /00.

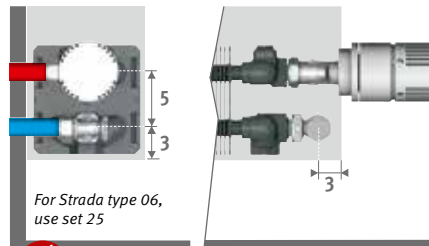
Ex. STRW.035 050 06.xxx/00

For valve set prices see chapter "Connection sets & valves"

## CONNECTION SETS

To the wall, totally concealed within the casing

TRV head and sleeve couplings Eurocone 3/4" included.



For Strada type 06, use set 25

set 225

### CODE 2-PIPE

	COLO.SW2.AW.4...	84
	COLO.SW2.JW.4...	91

fill in sleeve coupling code

Precision metal tube 15/1 115

Precision metal tube 16/1 116

RPE/ALU tube 16/2 616

RPE/ALU tube 20/2 620

## Other connections:

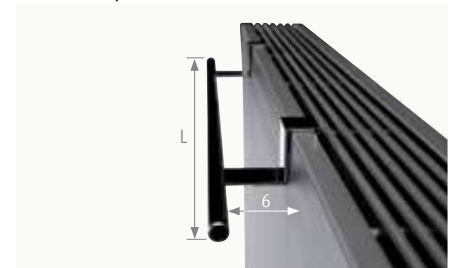
See chapter "Connection sets and valves" for all connection options and technical information.

## ORDERING CODE

code	height	length	type	colour
STRW .	020	050	10 .	XXX
fill in colour code ↓				

## TOWEL RAIL

in chrome-plated aluminium



CODE	L	€
5501.001	56	287
5501.002	66	287





# H020 - STRADA

STRW.020 LLL TT.XXX

L	STANDARD					TWIN				
	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
050	---	---	---	---	---	06	269	130	245	358
	10	328	158	220	333	---	---	---	---	---
	15	545	263	260	374	---	---	---	---	---
	20	766	370	301	414	---	---	---	---	---
060	---	---	---	---	---	06	323	156	260	374
	10	393	189	236	349	---	---	---	---	---
	15	654	316	281	394	---	---	---	---	---
	20	919	444	326	439	---	---	---	---	---
070	---	---	---	---	---	06	377	182	289	403
	10	459	221	265	378	---	---	---	---	---
	15	763	369	316	430	---	---	---	---	---
	20	1072	518	377	490	---	---	---	---	---
080	---	---	---	---	---	06	430	207	307	420
	10	524	252	282	395	---	---	---	---	---
	15	872	421	344	458	---	---	---	---	---
	20	1226	592	407	520	---	---	---	---	---
090	---	---	---	---	---	06	484	234	323	436
	10	590	284	297	410	---	---	---	---	---
	15	981	474	365	478	---	---	---	---	---
	20	1379	666	433	546	---	---	---	---	---
100	---	---	---	---	---	06	538	260	347	526
	10	655	316	322	501	---	---	---	---	---
	15	1090	526	396	576	---	---	---	---	---
	20	1532	740	475	655	---	---	---	---	---
110	---	---	---	---	---	06	592	286	365	545
	10	721	347	338	518	---	---	---	---	---
	15	1199	579	419	599	---	---	---	---	---
	20	1685	814	508	688	---	---	---	---	---
120	---	---	---	---	---	06	646	312	389	569
	10	786	379	365	545	---	---	---	---	---
	15	1308	632	453	633	---	---	---	---	---
	20	1838	888	555	735	---	---	---	---	---
140	---	---	---	---	---	06	753	363	421	601
	10	917	442	396	576	---	---	---	---	---
	15	1526	737	496	675	---	---	---	---	---
	20	2145	1036	637	817	---	---	---	---	---
160	---	---	---	---	---	06	861	415	495	674
	10	1048	505	470	649	---	---	---	---	---
	15	1744	842	596	775	---	---	---	---	---
	20	2451	1184	759	939	---	---	---	---	---
180	---	---	---	---	---	06	968	467	534	714
	10	1179	568	510	690	---	---	---	---	---
	15	1962	948	647	827	---	---	---	---	---
	20	2758	1332	824	1003	---	---	---	---	---
200	---	---	---	---	---	06	1076	519	580	893
	10	1310	631	555	868	---	---	---	---	---
	15	2180	1053	741	1054	---	---	---	---	---
	20	3064	1480	901	1214	---	---	---	---	---
240	---	---	---	---	---	06	1291	623	726	1040
	10	1572	757	697	1011	---	---	---	---	---
	15	2616	1264	926	1240	---	---	---	---	---
	20	3677	1776	1131	1444	---	---	---	---	---
280	---	---	---	---	---	06	1506	727	814	1128
	10	1834	884	783	1097	---	---	---	---	---
	15	3052	1474	1045	1358	---	---	---	---	---
	20	4290	2072	1275	1588	---	---	---	---	---

EN442 output at 20°C room temperature

# STRADA H035

STRW.035 LLL TT.XXX

L	STANDARD					TWIN				
	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
050	---	---	---	---	---	06	395	192	319	432
	10	449	218	245	358	11	598	284	366	479
	15	735	358	285	398	16	797	375	430	543
	20	1030	502	326	439	21	1057	494	461	574
060	---	---	---	---	---	06	474	231	343	457
	10	539	262	262	376	11	718	341	391	504
	15	882	430	306	419	16	956	450	462	575
	20	1236	603	352	465	21	1268	593	497	610
070	---	---	---	---	---	06	553	269	380	493
	10	629	305	292	405	11	837	398	437	550
	15	1029	502	344	458	16	1115	525	522	635
	20	1442	703	404	517	21	1480	692	572	685
080	---	---	---	---	---	06	632	308	402	515
	10	718	348	308	421	11	957	455	464	577
	15	1176	573	374	487	16	1274	600	561	674
	20	1648	803	437	550	21	1691	790	616	729
090	---	---	---	---	---	06	711	346	424	537
	10	808	392	329	442	11	1076	511	488	601
	15	1323	645	395	508	16	1434	675	600	713
	20	1854	904	466	579	21	1903	889	655	768
100	---	---	---	---	---	06	790	385	455	635
	10	898	436	352	531	11	1196	568	527	707
	15	1470	717	428	608	16	1593	750	652	831
	20	2060	1004	509	689	21	2114	988	719	898
110	---	---	---	---	---	06	869	423	478	658
	10	988	479	370	550	11	1316	625	555	735
	15	1617	788	451	631	16	1752	825	686	865
	20	2266	1105	541	720	21	2325	1086	764	943
120	---	---	---	---	---	06	948	461	507	687
	10	1078	523	396	576	11	1435	682	588	768
	15	1764	860	488	667	16	1912	900	735	914
	20	2472	1205	588	768	21	2537	1186	824	1003
140	---	---	---	---	---	06	1106	538	556	736
	10	1257	610	438	617	11	1674	795	651	830
	15	2058	1003	537	717	16	2230	1050	814	994
	20	2884	1406	680	859	21	2960	1383	964	1143
160	---	---	---	---	---	06	1264	615	651	830
	10	1437	697	515	694	11	1914	909	762	941
	15	2352	1147	638	818	16	2549	1200	965	1144
	20	3296	1607	805	985	21	3382	1580	1139	1319
180	---	---	---	---	---	06	1422	692	700	880
	10	1616	784	557	737	11	2153	1023	822	1001
	15	2646	1290	695	875	16	2867	1349	1048	1227
	20	3708	1808	873	1052	21	3805	1778	1235	1414
200	---	---	---	---	---	06	1580	769	758	1072
	10	1796	872	605	918	11	2392	1136	887	1200
	15	2940	1433	791	1104	16	3186	1500	1193	1506
	20	4120	2009	950	1264	21	4228	1976	1338	1652
240	---	---	---	---	---	06	1896	923	945	1258
	10	2155	1046	758	1072	11	2870	1363	1105	1418
	15	3528	1720	987	1300	16	3823	1799	1486	1799
	20	4944	2410	1192	1505	21	5074	2371	1672	1986
280	---	---	---	---	---	06	2212	1077	1056	1370
	10	2514	1220	850	1163	11	3349	1591	1235	1548
	15	4116	2007	1109	1422	16	4460	2099	1665	1979
	20	5768	2812	1345	1658	21	5919	2766	1883	2196

EN442 output at 20°C room temperature

# H 050 - STRADA

STRW.050 LLL TT.XXX

L	STANDARD					TWIN				
	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
050	---	---	---	---	---	06	474	233	333	446
	10	538	263	258	371	11	693	330	382	495
	15	867	426	304	417	16	949	445	448	561
	20	1213	597	349	462	21	1291	599	481	594
060	---	---	---	---	---	06	568	279	355	468
	10	646	316	279	392	11	832	396	409	522
	15	1040	511	327	440	16	1139	534	479	592
	20	1455	716	377	490	21	1549	719	520	633
070	---	---	---	---	---	06	663	326	395	508
	10	753	368	308	421	11	970	461	457	570
	15	1214	597	366	479	16	1329	624	543	656
	20	1698	835	430	543	21	1807	839	599	712
080	---	---	---	---	---	06	758	373	421	534
	10	861	421	330	443	11	1109	527	486	599
	15	1387	682	395	508	16	1518	712	585	698
	20	1940	954	464	577	21	2066	959	643	756
090	---	---	---	---	---	06	852	419	441	554
	10	968	473	348	461	11	1247	593	510	624
	15	1561	768	421	534	16	1708	801	623	736
	20	2183	1074	493	606	21	2324	1079	684	797
100	---	---	---	---	---	06	947	466	474	654
	10	1076	526	374	553	11	1386	659	551	730
	15	1734	853	453	633	16	1898	891	675	855
	20	2425	1193	537	717	21	2582	1198	748	928
110	---	---	---	---	---	06	1042	513	498	677
	10	1184	579	394	574	11	1525	725	578	757
	15	1907	938	479	659	16	2088	980	714	893
	20	2668	1312	572	751	21	2840	1318	796	975
120	---	---	---	---	---	06	1136	559	529	709
	10	1291	631	423	603	11	1663	791	614	794
	15	2081	1023	517	696	16	2278	1069	762	941
	20	2910	1431	621	801	21	3098	1438	858	1038
140	---	---	---	---	---	06	1326	652	583	763
	10	1506	736	466	645	11	1940	923	681	860
	15	2428	1194	572	751	16	2657	1247	846	1025
	20	3395	1670	718	897	21	3615	1678	1002	1182
160	---	---	---	---	---	06	1515	745	683	862
	10	1722	842	550	729	11	2218	1055	797	976
	15	2774	1364	679	858	16	3037	1425	1002	1182
	20	3880	1908	848	1027	21	4131	1917	1183	1362
180	---	---	---	---	---	06	1705	839	735	914
	10	1937	947	592	772	11	2495	1187	860	1040
	15	3121	1535	737	916	16	3416	1603	1089	1269
	20	4365	2147	919	1099	21	4648	2157	1279	1459
200	---	---	---	---	---	06	1894	932	795	1108
	10	2152	1052	644	958	11	2772	1318	929	1242
	15	3468	1706	836	1150	16	3796	1781	1236	1549
	20	4850	2385	1000	1313	21	5164	2397	1388	1701
240	---	---	---	---	---	06	2273	1118	988	1301
	10	2582	1262	805	1118	11	3326	1582	1155	1468
	15	4162	2047	1043	1356	16	4555	2137	1537	1850
	20	5820	2862	1253	1567	21	6197	2876	1733	2046
280	---	---	---	---	---	06	2652	1305	1108	1421
	10	3013	1473	904	1217	11	3881	1846	1291	1604
	15	4855	2388	1170	1484	16	5314	2493	1723	2037
	20	6790	3339	1407	1720	21	7230	3356	1949	2263

EN442 output at 20°C room temperature

# STRADA H065

STRW.065 LLL TT.XXX

L	STANDARD					TWIN				
	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
050	---	---	---	---	---	06	533	265	348	461
	10	606	298	276	389	11	772	367	399	513
	15	961	477	327	440	16	1087	508	472	585
	20	1343	667	376	489	21	1515	699	508	621
060	---	---	---	---	---	06	640	319	370	483
	10	727	358	300	413	11	926	441	428	542
	15	1153	572	350	463	16	1304	610	506	619
	20	1611	800	404	517	21	1818	839	550	663
070	---	---	---	---	---	06	746	371	413	526
	10	848	417	331	444	11	1080	514	476	589
	15	1345	668	391	504	16	1521	711	569	682
	20	1880	933	460	573	21	2121	978	625	738
080	---	---	---	---	---	06	853	425	439	552
	10	969	477	352	465	11	1234	587	508	621
	15	1538	763	423	536	16	1738	813	613	726
	20	2148	1066	494	607	21	2424	1118	672	785
090	---	---	---	---	---	06	959	477	462	575
	10	1090	537	370	483	11	1389	661	534	647
	15	1730	859	448	561	16	1956	915	651	764
	20	2417	1200	526	639	21	2727	1258	715	828
100	---	---	---	---	---	06	1066	531	494	673
	10	1211	596	397	577	11	1543	734	575	754
	15	1922	954	481	661	16	2173	1016	703	883
	20	2685	1333	570	749	21	3030	1398	779	959
110	---	---	---	---	---	06	1173	584	520	699
	10	1332	656	419	599	11	1697	807	604	783
	15	2114	1049	509	689	16	2390	1118	742	921
	20	2954	1466	605	784	21	3333	1537	828	1007
120	---	---	---	---	---	06	1279	637	554	734
	10	1453	715	450	630	11	1852	881	644	824
	15	2306	1145	550	729	16	2608	1220	795	974
	20	3222	1599	659	838	21	3636	1677	890	1070
140	---	---	---	---	---	06	1492	743	609	789
	10	1695	835	497	676	11	2160	1028	714	893
	15	2691	1336	608	787	16	3042	1423	885	1064
	20	3759	1866	762	941	21	4242	1957	1045	1224
160	---	---	---	---	---	06	1706	849	715	894
	10	1938	954	585	765	11	2469	1175	835	1015
	15	3075	1526	718	897	16	3477	1626	1046	1225
	20	4296	2133	898	1078	21	4848	2236	1228	1408
180	---	---	---	---	---	06	1919	955	768	947
	10	2180	1073	633	812	11	2777	1321	901	1080
	15	3460	1718	781	961	16	3911	1829	1133	1312
	20	4833	2399	970	1150	21	5454	2516	1329	1509
200	---	---	---	---	---	06	2132	1061	833	1146
	10	2422	1192	686	999	11	3086	1468	971	1284
	15	3844	1908	883	1196	16	4346	2033	1284	1598
	20	5370	2666	1053	1366	21	6060	2795	1440	1753
240	---	---	---	---	---	06	2558	1273	1033	1347
	10	2906	1431	858	1171	11	3703	1762	1207	1520
	15	4613	2290	1097	1410	16	5215	2439	1598	1911
	20	6444	3199	1318	1631	21	7272	3355	1795	2108
280	---	---	---	---	---	06	2985	1486	1159	1472
	10	3391	1669	962	1275	11	4320	2056	1350	1663
	15	5382	2672	1232	1545	16	6084	2846	1789	2102
	20	7518	3732	1481	1794	21	8484	3914	2017	2330

EN442 output at 20°C room temperature

# H095 - STRADA

STRW.095 LLL TT.XXX

L	STANDARD					TWIN				
	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
050	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---
060	---	---	---	---	---	06	736	375	398	511
	10	836	418	329	442	11	1078	514	458	571
	15	1288	651	387	500	16	1606	747	541	654
	20	1795	907	439	552	21	2352	1071	584	697
	---	---	---	---	---	---	---	---	---	---
070	---	---	---	---	---	06	858	437	441	554
	10	975	487	363	476	11	1257	599	508	621
	15	1502	759	428	542	16	1874	871	608	721
	20	2094	1058	495	608	21	2744	1250	663	776
	---	---	---	---	---	---	---	---	---	---
080	---	---	---	---	---	06	981	499	472	585
	10	1114	556	387	500	11	1437	685	542	655
	15	1717	868	465	578	16	2142	996	655	768
	20	2394	1210	535	648	21	3136	1428	715	828
	---	---	---	---	---	---	---	---	---	---
090	---	---	---	---	---	06	1103	561	496	609
	10	1254	626	410	523	11	1616	770	570	683
	15	1931	976	493	606	16	2409	1120	696	809
	20	2693	1361	568	681	21	3528	1607	759	873
	---	---	---	---	---	---	---	---	---	---
100	---	---	---	---	---	06	1226	624	536	716
	10	1393	696	441	620	11	1796	856	619	799
	15	2146	1085	534	714	16	2677	1244	756	936
	20	2992	1512	620	800	21	3920	1785	831	1011
	---	---	---	---	---	---	---	---	---	---
110	---	---	---	---	---	06	1349	686	568	747
	10	1532	765	469	648	11	1976	942	653	832
	15	2361	1193	564	744	16	2945	1369	798	977
	20	3291	1664	660	839	21	4312	1964	884	1063
	---	---	---	---	---	---	---	---	---	---
120	---	---	---	---	---	06	1471	749	602	781
	10	1672	835	500	680	11	2155	1027	694	874
	15	2575	1302	605	784	16	3212	1493	854	1033
	20	3590	1815	714	893	21	4704	2142	949	1129
	---	---	---	---	---	---	---	---	---	---
140	---	---	---	---	---	06	1716	873	668	848
	10	1950	974	558	738	11	2514	1198	775	954
	15	3004	1518	680	859	16	3748	1742	956	1135
	20	4189	2117	830	1009	21	5488	2499	1114	1294
	---	---	---	---	---	---	---	---	---	---

EN442 output at 20°C room temperature

# jaga

CLIMATE DESIGNERS

## LINEA PLUS

Warm power, slim line

- A Jaga classic with timeless design, the first award winning radiator ever !
- Discreet, slim-line design with perforated and curved grille .
- Clean and simple, flat front panel.
- Partially pre-assembled for quick installation.
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- Suitable for an integrated valve and concealed connection.
- Safe surface temperature.
- **A 30 year guarantee** on the heat exchanger.



Also available as freestanding model for glazed façades. See page 148 .



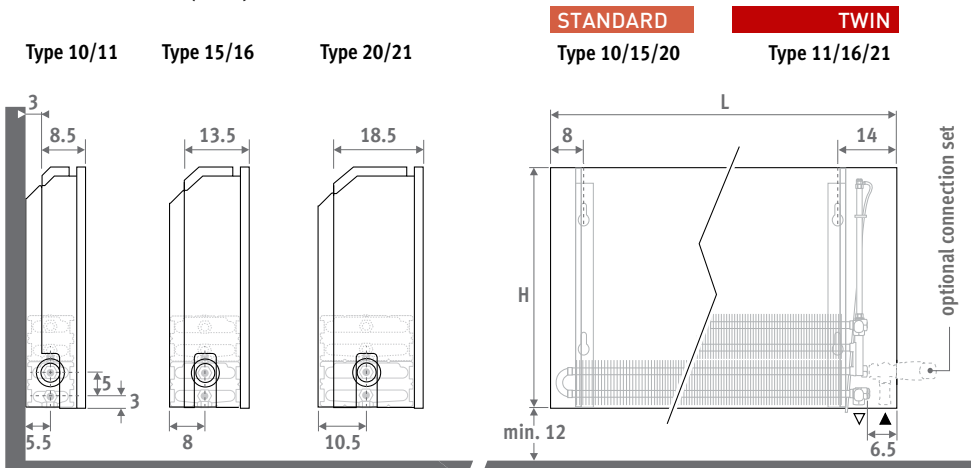


LINEA PLUS

# LINEA PLUS



## DIMENSIONS (in cm)



## DELIVERY

Easy to install by one person. Delivered in a cardboard box, which can also be used as protection on site after installation.

Standard delivery:

- Low-H<sub>2</sub>O heat exchanger with wall brackets and fixing kit
- air vent elbow (standard) or automatic air vent (twin) 1/8" and drain plug 1/2"
- partially pre-mounted casing for connection left or right at low level

## COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
- sandblast grey (001), fine texture metallic lacquer
- off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%

Other colours: see colour chart.

## CONNECTION

Standard connection:

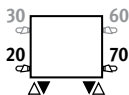
Bottom end left or right, to the wall or to the floor. Connection to the wall via the bottom of the casing, or totally concealed within the casing, depending on the valve or connection set chosen.

Optional high level valve:

add to the code of the radiator /30 (left) or /60 (right)

Ex. LINW.035 050 10.xxx/60

High level valve details : see "Connection sets & Valves".



Optional remote controlled valve:

add to the code of the radiator /00.

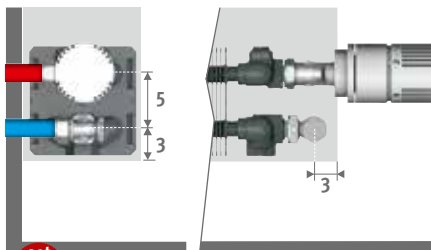
Ex. LINW.035 050 10.xxx/00

For valve set prices see chapter "Connection sets & valves"

## CONNECTION SETS

To the wall, totally concealed within the casing

TRV head and sleeve couplings Eurocone 3/4" included.



set 225

### CODE 2-PIPE

CODE	PRICE (€)
COLO.SW2.JC.4...	108
COLO.SW2.JW.4...	91

fill in sleeve coupling code

Precision metal tube 15/1 115

Precision metal tube 16/1 116

RPE/ALU tube 16/2 616

RPE/ALU tube 20/2 620

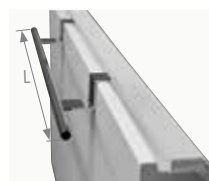
## ORDERING CODE

code	height	length	type	colour
LINW .	020	050	10 .	XXX

fill in colour code ↴

## TOWEL RAILS

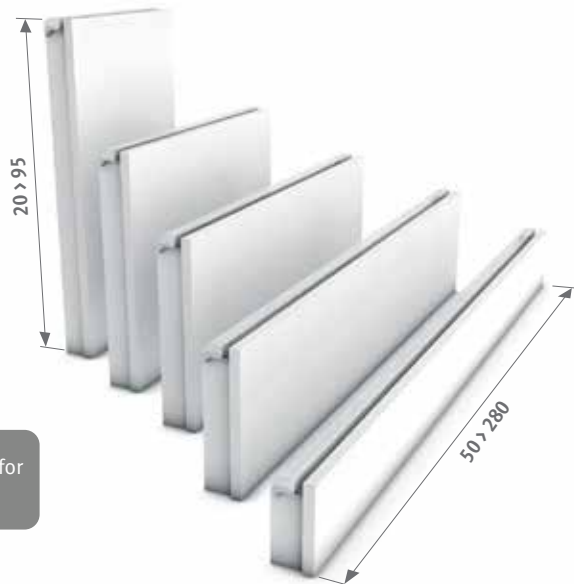
Chrome-plated alu.



Chrome-plated alu.	L	€
5501.001	56	287
5501.002	66	287

## Other connections:

See chapter "Connection sets and valves Low-H<sub>2</sub>O" for all connection options and technical information.



Also available as freestanding model for glazed façades. See page 148.



# H020 - LINEA PLUS

LINW.020 LLL TT.XXX

L	STANDARD					TWIN				
	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
050	10	284	135	189	302	---	---	---	---	---
	15	519	249	226	339	---	---	---	---	---
	20	697	334	262	376	---	---	---	---	---
060	10	341	162	205	319	---	---	---	---	---
	15	623	298	245	358	---	---	---	---	---
	20	836	400	285	398	---	---	---	---	---
070	10	398	189	227	340	---	---	---	---	---
	15	727	348	276	389	---	---	---	---	---
	20	976	467	329	442	---	---	---	---	---
080	10	454	216	247	360	---	---	---	---	---
	15	830	398	300	413	---	---	---	---	---
	20	1115	534	354	467	---	---	---	---	---
090	10	511	243	258	371	---	---	---	---	---
	15	934	447	319	432	---	---	---	---	---
	20	1255	601	379	492	---	---	---	---	---
100	10	568	270	281	461	---	---	---	---	---
	15	1038	497	348	527	---	---	---	---	---
	20	1394	667	419	599	---	---	---	---	---
110	10	625	298	296	475	---	---	---	---	---
	15	1142	547	368	548	---	---	---	---	---
	20	1533	734	444	624	---	---	---	---	---
120	10	682	325	315	495	---	---	---	---	---
	15	1246	597	395	575	---	---	---	---	---
	20	1673	801	478	658	---	---	---	---	---
140	10	795	378	345	525	---	---	---	---	---
	15	1453	696	435	614	---	---	---	---	---
	20	1952	935	559	739	---	---	---	---	---
160	10	909	433	411	590	---	---	---	---	---
	15	1661	796	520	699	---	---	---	---	---
	20	2230	1068	668	848	---	---	---	---	---
180	10	1022	487	446	626	---	---	---	---	---
	15	1868	895	570	749	---	---	---	---	---
	20	2509	1201	728	908	---	---	---	---	---
200	10	1136	541	486	799	---	---	---	---	---
	15	2076	994	652	965	---	---	---	---	---
	20	2788	1335	794	1107	---	---	---	---	---
220	10	1250	595	565	879	---	---	---	---	---
	15	2284	1094	758	1072	---	---	---	---	---
	20	3067	1468	923	1237	---	---	---	---	---
240	10	1363	649	608	921	---	---	---	---	---
	15	2491	1193	815	1129	---	---	---	---	---
	20	3346	1602	995	1308	---	---	---	---	---
260	10	1477	703	647	961	---	---	---	---	---
	15	2699	1293	866	1180	---	---	---	---	---
	20	3624	1735	1059	1373	---	---	---	---	---
280	10	1590	757	683	996	---	---	---	---	---
	15	2906	1392	917	1230	---	---	---	---	---
	20	3903	1869	1122	1435	---	---	---	---	---

EN442 output at 20°C room temperature

# LINEA PLUS - H035

LINW.035 LLL TT.XXX

L	STANDARD					TWIN				
	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
050	10	393	189	210	323	11	549	258	329	442
	15	659	320	248	361	16	813	381	386	499
	20	901	437	285	398	21	1039	483	412	525
060	10	471	226	225	338	11	659	310	349	462
	15	790	384	266	379	16	975	457	414	527
	20	1081	525	308	421	21	1247	580	446	559
070	10	550	264	252	365	11	769	362	392	505
	15	922	448	300	413	16	1138	534	472	585
	20	1261	612	353	466	21	1455	677	514	627
080	10	628	302	269	382	11	878	413	418	531
	15	1054	512	324	437	16	1300	610	509	623
	20	1441	699	383	496	21	1662	773	555	668
090	10	707	340	285	398	11	988	465	440	553
	15	1185	575	347	460	16	1463	686	542	655
	20	1621	787	410	523	21	1870	870	592	706
100	10	785	377	307	487	11	1098	516	476	656
	15	1317	639	377	556	16	1625	762	592	772
	20	1801	874	449	629	21	2078	967	653	832
110	10	864	415	324	503	11	1208	568	502	682
	15	1449	704	396	576	16	1788	839	625	804
	20	1981	961	476	656	21	2286	1063	693	873
120	10	942	452	349	528	11	1318	620	537	717
	15	1580	767	428	608	16	1950	915	672	852
	20	2161	1049	515	694	21	2494	1160	745	924
140	10	1099	528	382	561	11	1537	723	585	765
	15	1844	895	472	652	16	2275	1067	740	919
	20	2521	1223	601	780	21	2909	1353	872	1051
160	10	1256	603	450	630	11	1757	826	689	868
	15	2107	1023	560	740	16	2600	1219	879	1058
	20	2882	1399	714	893	21	3325	1547	1033	1213
180	10	1413	679	491	670	11	1976	929	747	926
	15	2371	1151	614	794	16	2925	1372	958	1137
	20	3242	1573	777	957	21	3740	1740	1127	1306
200	10	1570	754	532	846	11	2196	1033	805	1118
	15	2634	1279	698	1012	16	3250	1524	1092	1406
	20	3602	1748	842	1156	21	4156	1933	1218	1531
220	10	1727	829	616	930	11	2416	1136	930	1243
	15	2897	1407	809	1123	16	3575	1677	1263	1576
	20	3962	1923	976	1290	21	4572	2127	1409	1722
240	10	1884	905	665	978	11	2635	1239	1002	1316
	15	3161	1535	873	1186	16	3900	1829	1358	1671
	20	4322	2097	1056	1370	21	4987	2320	1522	1835
260	10	2041	980	707	1020	11	2855	1342	1063	1377
	15	3424	1662	925	1239	16	4225	1981	1442	1755
	20	4683	2272	1126	1439	21	5403	2513	1619	1932
280	10	2198	1056	746	1059	11	3074	1445	1121	1434
	15	3688	1791	979	1293	16	4550	2134	1523	1836
	20	5043	2447	1190	1503	21	5818	2706	1712	2025

EN442 output at 20°C room temperature

# H 050 - LINEA PLUS

LINW.050 LLL TT.XXX

L	STANDARD					TWIN				
	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
050	10	482	234	226	339	11	655	309	344	458
	15	767	377	266	379	16	976	458	404	517
	20	1060	521	306	419	21	1282	595	433	546
060	10	578	280	243	356	11	785	370	366	479
	15	920	453	286	399	16	1171	550	433	546
	20	1272	626	332	445	21	1538	714	470	583
070	10	675	327	270	383	11	916	432	411	524
	15	1073	528	322	435	16	1366	641	493	606
	20	1484	730	379	492	21	1795	833	538	652
080	10	771	374	289	403	11	1047	494	438	551
	15	1226	603	348	461	16	1561	733	532	645
	20	1696	834	410	523	21	2051	952	581	694
090	10	868	421	306	419	11	1178	555	462	575
	15	1380	679	370	483	16	1756	824	564	677
	20	1908	938	437	550	21	2308	1071	619	732
100	10	964	467	330	509	11	1309	617	498	677
	15	1533	754	399	579	16	1951	916	616	796
	20	2120	1043	476	656	21	2564	1189	681	860
110	10	1060	514	348	527	11	1440	679	526	706
	15	1686	830	425	605	16	2146	1007	651	830
	20	2332	1147	507	687	21	2820	1308	723	903
120	10	1157	561	377	556	11	1571	741	564	744
	15	1840	905	461	640	16	2341	1099	701	881
	20	2544	1251	551	730	21	3077	1427	779	959
140	10	1350	654	412	591	11	1833	864	616	796
	15	2146	1056	507	687	16	2731	1282	773	952
	20	2968	1460	637	817	21	3590	1665	909	1088
160	10	1542	747	486	665	11	2094	987	725	905
	15	2453	1207	601	780	16	3122	1466	915	1095
	20	3392	1668	755	935	21	4102	1903	1077	1256
180	10	1735	841	527	707	11	2356	1111	783	963
	15	2759	1358	655	834	16	3512	1649	996	1175
	20	3816	1877	822	1001	21	4615	2141	1171	1351
200	10	1928	934	572	885	11	2618	1234	845	1158
	15	3066	1509	742	1055	16	3902	1832	1135	1448
	20	4240	2085	889	1202	21	5128	2379	1267	1580
220	10	2121	1028	660	973	11	2880	1358	973	1287
	15	3373	1660	857	1170	16	4292	2015	1306	1620
	20	4664	2294	1028	1341	21	5641	2617	1461	1774
240	10	2314	1121	714	1027	11	3142	1481	1050	1363
	15	3679	1810	925	1239	16	4682	2198	1407	1720
	20	5088	2502	1114	1428	21	6154	2855	1580	1893
260	10	2506	1214	759	1073	11	3403	1604	1115	1429
	15	3986	1961	984	1297	16	5073	2382	1494	1807
	20	5512	2711	1186	1499	21	6666	3092	1681	1994
280	10	2699	1308	800	1113	11	3665	1728	1175	1489
	15	4292	2112	1038	1351	16	5463	2565	1580	1893
	20	5936	2919	1254	1568	21	7179	3330	1777	2091

EN442 output at 20°C room temperature

# LINEA PLUS - H065

LINW.065 LLL TT.XXX

L	STANDARD					TWIN				
	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
050	10	561	274	245	358	11	742	351	359	472
	15	858	428	286	399	16	1114	524	425	538
	20	1196	596	331	444	21	1503	696	457	570
060	10	673	329	260	374	11	890	421	385	498
	15	1029	513	307	420	16	1336	628	457	570
	20	1435	715	356	469	21	1803	835	493	606
070	10	785	384	289	403	11	1038	491	430	543
	15	1201	599	345	459	16	1559	733	517	630
	20	1674	834	406	519	21	2104	974	564	677
080	10	897	438	311	424	11	1186	561	461	574
	15	1372	685	374	487	16	1782	838	557	670
	20	1913	953	438	551	21	2404	1113	608	721
090	10	1009	493	330	443	11	1335	631	482	596
	15	1544	770	395	508	16	2004	942	592	706
	20	2152	1072	466	579	21	2705	1252	647	760
100	10	1121	548	352	531	11	1483	701	522	701
	15	1715	856	427	607	16	2227	1047	644	824
	20	2391	1191	508	688	21	3005	1391	712	891
110	10	1233	603	374	553	11	1631	771	551	730
	15	1887	942	451	631	16	2450	1152	680	859
	20	2630	1310	536	716	21	3306	1531	752	932
120	10	1345	657	407	586	11	1780	841	597	776
	15	2058	1027	493	672	16	2672	1256	737	916
	20	2869	1429	587	767	21	3606	1669	819	998
140	10	1569	767	442	621	11	2076	981	646	826
	15	2401	1198	541	720	16	3118	1466	809	989
	20	3347	1668	679	858	21	4207	1948	949	1129
160	10	1794	877	520	699	11	2373	1122	760	940
	15	2744	1369	639	819	16	3563	1675	956	1135
	20	3826	1906	799	978	21	4808	2226	1121	1300
180	10	2018	986	564	744	11	2669	1261	822	1001
	15	3087	1540	697	877	16	4009	1885	1043	1222
	20	4304	2144	867	1047	21	5409	2504	1217	1396
200	10	2242	1096	613	926	11	2966	1402	887	1200
	15	3430	1712	789	1102	16	4454	2094	1181	1494
	20	4782	2382	941	1254	21	6010	2782	1316	1629
220	10	2466	1205	703	1017	11	3263	1542	1018	1331
	15	3773	1883	905	1218	16	4899	2303	1358	1671
	20	5260	2621	1082	1395	21	6611	3061	1516	1829
240	10	2690	1315	764	1077	11	3559	1682	1099	1412
	15	4116	2054	980	1294	16	5345	2513	1466	1779
	20	5738	2859	1174	1488	21	7212	3339	1640	1954
260	10	2915	1425	811	1125	11	3856	1822	1169	1483
	15	4459	2225	1042	1355	16	5790	2722	1556	1870
	20	6217	3097	1250	1564	21	7813	3617	1744	2057
280	10	3139	1534	857	1170	11	4152	1962	1232	1545
	15	4802	2396	1098	1411	16	6236	2932	1644	1958
	20	6695	3336	1320	1633	21	8414	3895	1842	2155

EN442 output at 20°C room temperature

# H095 - LINEA PLUS

LINW.095 LLL TT.XXX

L	STANDARD					TWIN				
	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
050	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---
060	10	838	417	292	405	11	1055	501	414	527
	15	1210	620	345	459	16	1608	758	493	606
	20	1706	873	392	505	21	2290	1055	529	642
070	10	977	486	322	435	11	1231	585	462	575
	15	1411	723	383	496	16	1876	884	556	669
	20	1991	1019	441	554	21	2671	1231	602	715
080	10	1117	556	347	460	11	1406	668	494	607
	15	1613	827	414	527	16	2144	1011	600	713
	20	2275	1164	478	591	21	3053	1407	651	764
090	10	1256	625	366	479	11	1582	751	521	634
	15	1814	930	440	553	16	2412	1137	637	750
	20	2560	1310	509	623	21	3434	1582	693	806
100	10	1396	695	396	576	11	1758	835	568	747
	15	2016	1033	478	658	16	2680	1263	695	875
	20	2844	1456	557	737	21	3816	1758	760	940
110	10	1536	764	421	601	11	1934	918	599	778
	15	2218	1137	508	688	16	2948	1390	735	914
	20	3128	1601	591	771	21	4198	1934	807	987
120	10	1675	834	458	637	11	2110	1002	646	826
	15	2419	1240	555	735	16	3216	1516	798	977
	20	3413	1747	647	827	21	4579	2110	879	1058
140	10	1954	973	504	684	11	2461	1169	708	887
	15	2822	1447	611	791	16	3752	1769	879	1058
	20	3982	2038	746	925	21	5342	2462	1018	1197

EN442 output at 20°C room temperature

# jaga

CLIMATE DESIGNERS

## TEMPO

Warm power, simple style

- The benchmark Jaga Energy Saver – always ahead of its time – the classic among the wall radiators.
- Easy to assemble casing featuring the sectional front panel design.
- Compact and practical packaging.
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- Suitable for an integrated valve and concealed connection.
- Safe surface temperature.
- **A 30 year guarantee** on the heat exchanger.

Also available as freestanding model for glazed façades. See page 142.



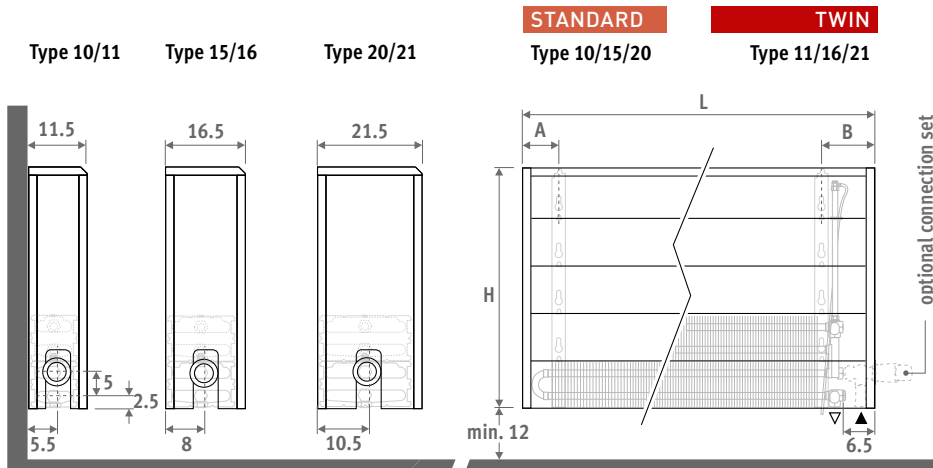


TEMPO

# TEMPO



## DIMENSIONS (in cm)



Connection	
Left	Right
A 5.0	7.5
B 13.5	11.0

## DELIVERY

Light and easily installed by one person. Delivered flat packed in 2 packages for ease of handling and storage.

Standard delivery:

- Low-H<sub>2</sub>O heat exchanger with wall brackets and fixing kit
- air vent elbow (standard) or extended air vent (twin) 1/8" and drain plug 1/2"
- easy to assemble casing

## COLOUR

Scratch-resistant surface coating with a soft structured, satin gloss finish. High UV resistance.

Standard colour: white RAL 9010 (101)

## CONNECTION

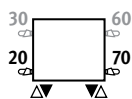
Standard connection:

Bottom end left or right, to the wall or to the floor. Connection to the wall via the bottom of the casing, or totally concealed within the casing, depending on the valve or connection set chosen.

Optional high level valve:

add to the code of the radiator /30 (left) or /60 (right)  
Ex. TEMW.030 040 10.101/**60**

High level valve details : see "Connection sets & Valves".



Optional remote controlled valve:  
add to the code of the radiator /00.

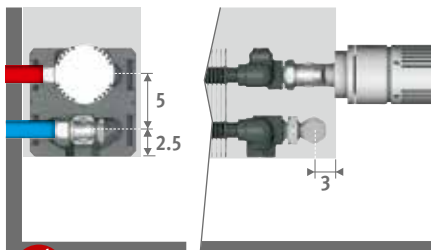
Ex. TEMW.030 040 10.101/**00**

For valve set prices see chapter "Connection sets & valves".

## CONNECTION SETS

To the wall, totally concealed within the casing

TRV head and sleeve couplings Eurocone 3/4" included.



set 225

CODE 2-PIPE

€



COLO.SW2.AW.4...

84



COLO.SW2.JW.4...

91

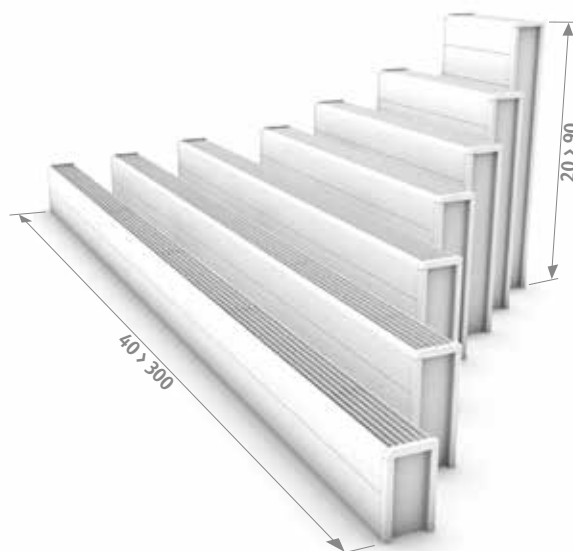
fill in sleeve coupling code	
Precision metal tube 15/1	115
Precision metal tube 16/1	116
RPE/ALU tube 16/2	616
RPE/ALU tube 20/2	620

## Other connections :

See chapter "Connection sets and valves Low-H<sub>2</sub>O" for all connection options and technical information.

## ORDERING CODE

code	height	length	type	colour
TEMW .	020	040	10 .	101



Also available as freestanding model for glazed façades. See page 142.



# H020 · TEMPO

TEMW.020 LLL TT.101

L	STANDARD				TWIN			
	Type	Watts 75/65	Watts 55/45	€	Type	Watts 75/65	Watts 55/45	€
040	10	262	126	161	---	---	---	---
	15	436	211	191	---	---	---	---
	20	613	296	223	---	---	---	---
050	10	328	158	173	---	---	---	---
	15	545	263	210	---	---	---	---
	20	766	370	247	---	---	---	---
060	10	393	189	187	---	---	---	---
	15	654	316	226	---	---	---	---
	20	919	444	269	---	---	---	---
070	10	459	221	215	---	---	---	---
	15	763	369	264	---	---	---	---
	20	1072	518	315	---	---	---	---
080	10	524	252	227	---	---	---	---
	15	872	421	283	---	---	---	---
	20	1226	592	342	---	---	---	---
090	10	590	284	243	---	---	---	---
	15	981	474	303	---	---	---	---
	20	1379	666	366	---	---	---	---
100	10	655	316	266	---	---	---	---
	15	1090	526	334	---	---	---	---
	20	1532	740	407	---	---	---	---
110	10	721	347	282	---	---	---	---
	15	1199	579	355	---	---	---	---
	20	1685	814	433	---	---	---	---
120	10	786	379	296	---	---	---	---
	15	1308	632	376	---	---	---	---
	20	1838	888	460	---	---	---	---
140	10	917	442	331	---	---	---	---
	15	1526	737	423	---	---	---	---
	20	2145	1036	549	---	---	---	---
160	10	1048	505	386	---	---	---	---
	15	1744	842	497	---	---	---	---
	20	2451	1184	649	---	---	---	---
180	10	1179	568	416	---	---	---	---
	15	1962	948	542	---	---	---	---
	20	2758	1332	703	---	---	---	---
200	10	1310	631	450	---	---	---	---
	15	2180	1053	621	---	---	---	---
	20	3064	1480	766	---	---	---	---
220	10	1441	694	517	---	---	---	---
	15	2398	1158	714	---	---	---	---
	20	3370	1628	884	---	---	---	---
240	10	1572	757	554	---	---	---	---
	15	2616	1264	766	---	---	---	---
	20	3677	1776	949	---	---	---	---
260	10	1703	820	588	---	---	---	---
	15	2834	1369	814	---	---	---	---
	20	3983	1924	1012	---	---	---	---
280	10	1834	884	632	---	---	---	---
	15	3052	1474	870	---	---	---	---
	20	4290	2072	1082	---	---	---	---
300	10	1965	947	663	---	---	---	---
	15	3270	1579	917	---	---	---	---
	20	4596	2220	1141	---	---	---	---

EN442 output at 20°C room temperature

# TEMPO - H030

TEMW.030 LLL TT.101

L	STANDARD				TWIN			
	Type	Watts 75/65	Watts 55/45	€	Type	Watts 75/65	Watts 55/45	€
040	10	330	160	171	11	448	213	281
	15	544	264	204	16	592	279	331
	20	762	370	236	21	779	365	350
050	10	413	200	186	11	561	267	303
	15	680	330	223	16	740	349	363
	20	953	463	259	21	974	456	386
060	10	496	240	202	11	673	320	323
	15	815	396	242	16	888	418	390
	20	1144	556	285	21	1169	547	421
070	10	578	280	228	11	785	373	369
	15	951	462	280	16	1036	488	451
	20	1334	648	332	21	1364	639	492
080	10	661	320	245	11	897	426	392
	15	1087	528	300	16	1184	558	482
	20	1525	741	356	21	1558	730	529
090	10	743	360	259	11	1009	479	414
	15	1223	594	321	16	1332	628	517
	20	1715	834	385	21	1753	821	565
100	10	826	400	285	11	1121	533	455
	15	1359	660	352	16	1480	697	569
	20	1906	926	426	21	1948	912	630
110	10	909	440	302	11	1233	586	478
	15	1495	727	378	16	1628	767	604
	20	2097	1019	455	21	2143	1003	670
120	10	991	480	313	11	1345	639	500
	15	1631	793	395	16	1776	837	637
	20	2287	1112	480	21	2338	1095	708
140	10	1156	560	354	11	1569	745	559
	15	1903	925	448	16	2072	976	715
	20	2668	1297	575	21	2727	1277	846
160	10	1322	640	412	11	1794	852	651
	15	2174	1057	527	16	2368	1116	842
	20	3050	1482	679	21	3117	1460	1000
180	10	1487	720	446	11	2018	959	702
	15	2446	1189	574	16	2664	1255	915
	20	3431	1668	737	21	3506	1642	1087
200	10	1652	800	486	11	2242	1065	759
	15	2718	1321	655	16	2960	1395	1049
	20	3812	1853	800	21	3896	1824	1175
220	10	1817	880	553	11	2466	1172	865
	15	2990	1453	749	16	3256	1534	1202
	20	4193	2038	921	21	4286	2007	1354
240	10	1982	960	592	11	2690	1278	929
	15	3262	1585	805	16	3552	1674	1290
	20	4574	2223	989	21	4675	2189	1455
260	10	2148	1040	630	11	2915	1385	986
	15	3533	1717	858	16	3848	1813	1371
	20	4956	2409	1055	21	5065	2372	1551
280	10	2313	1120	676	11	3139	1491	1051
	15	3805	1849	917	16	4144	1953	1459
	20	5337	2594	1129	21	5454	2554	1653
300	10	2478	1200	712	11	3363	1598	1105
	15	4077	1981	964	16	4440	2092	1533
	20	5718	2779	1189	21	5844	2736	1743

EN442 output at 20°C room temperature

# H040 · TEMPO

TEMW.040 LLL TT.101

L	STANDARD				TWIN			
	Type	Watts 75/65	Watts 55/45	€	Type	Watts 75/65	Watts 55/45	€
040	10	385	187	184	11	506	241	292
	15	627	306	219	16	680	320	347
	20	878	429	252	21	910	424	367
050	10	482	234	200	11	632	300	313
	15	784	383	239	16	850	400	378
	20	1098	537	276	21	1137	530	402
060	10	578	281	213	11	758	360	335
	15	941	460	258	16	1020	480	409
	20	1318	645	302	21	1364	636	439
070	10	674	328	245	11	885	421	385
	15	1098	537	298	16	1190	560	471
	20	1537	752	351	21	1592	742	511
080	10	770	375	259	11	1011	481	409
	15	1254	613	319	16	1360	639	504
	20	1757	859	378	21	1819	848	551
090	10	867	422	276	11	1138	541	432
	15	1411	690	342	16	1530	719	537
	20	1976	966	407	21	2047	954	588
100	10	963	469	303	11	1264	601	473
	15	1568	766	376	16	1700	799	591
	20	2196	1074	449	21	2274	1060	653
110	10	1059	515	322	11	1390	661	497
	15	1725	843	399	16	1870	879	630
	20	2416	1182	479	21	2501	1166	695
120	10	1156	562	335	11	1517	721	521
	15	1882	920	421	16	2040	959	661
	20	2635	1289	507	21	2729	1272	732
140	10	1348	656	379	11	1770	841	583
	15	2195	1073	478	16	2380	1119	746
	20	3074	1503	604	21	3184	1484	878
160	10	1541	750	438	11	2022	961	676
	15	2509	1226	558	16	2720	1279	877
	20	3514	1718	712	21	3638	1696	1031
180	10	1733	843	475	11	2275	1081	731
	15	2822	1379	608	16	3060	1439	951
	20	3953	1933	773	21	4093	1908	1121
200	10	1926	937	518	11	2528	1202	792
	15	3136	1533	695	16	3400	1599	1089
	20	4392	2148	840	21	4548	2120	1216
220	10	2119	1031	587	11	2781	1322	902
	15	3450	1686	791	16	3740	1759	1242
	20	4831	2363	963	21	5003	2332	1395
240	10	2311	1124	632	11	3034	1442	968
	15	3763	1839	850	16	4080	1918	1336
	20	5270	2577	1034	21	5458	2544	1501
260	10	2504	1218	670	11	3286	1562	1026
	15	4077	1993	905	16	4420	2078	1417
	20	5710	2792	1104	21	5912	2755	1600
280	10	2696	1312	722	11	3539	1682	1096
	15	4390	2146	968	16	4760	2238	1511
	20	6149	3007	1180	21	6367	2968	1704
300	10	2889	1406	756	11	3792	1802	1151
	15	4704	2299	1017	16	5100	2398	1586
	20	6588	3222	1242	21	6822	3180	1795

EN442 output at 20°C room temperature

# TEMPO - H050

TEMW.050 LLL TT.101

L	STANDARD				TWIN			
	Type	Watts 75/65	Watts 55/45	€	Type	Watts 75/65	Watts 55/45	€
040	10	430	210	199	11	554	263	305
	15	694	341	234	16	759	356	363
	20	970	477	270	21	1033	479	385
050	10	538	263	212	11	693	330	330
	15	867	426	255	16	949	445	394
	20	1213	597	296	21	1291	599	421
060	10	646	316	227	11	832	396	351
	15	1040	511	276	16	1139	534	425
	20	1455	716	323	21	1549	719	460
070	10	753	368	260	11	970	461	399
	15	1214	597	316	16	1329	624	491
	20	1698	835	374	21	1807	839	533
080	10	861	421	276	11	1109	527	425
	15	1387	682	340	16	1518	712	522
	20	1940	954	398	21	2066	959	572
090	10	968	473	296	11	1247	593	449
	15	1561	768	364	16	1708	801	559
	20	2183	1074	428	21	2324	1079	611
100	10	1076	526	323	11	1386	659	493
	15	1734	853	397	16	1898	891	614
	20	2425	1193	474	21	2582	1198	676
110	10	1184	579	343	11	1525	725	520
	15	1907	938	426	16	2088	980	653
	20	2668	1312	507	21	2840	1318	722
120	10	1291	631	356	11	1663	791	543
	15	2081	1023	446	16	2278	1069	685
	20	2910	1431	533	21	3098	1438	760
140	10	1506	736	407	11	1940	923	611
	15	2428	1194	508	16	2657	1247	776
	20	3395	1670	637	21	3615	1678	909
160	10	1722	842	467	11	2218	1055	704
	15	2774	1364	591	16	3037	1425	907
	20	3880	1908	746	21	4131	1917	1067
180	10	1937	947	507	11	2495	1187	763
	15	3121	1535	644	16	3416	1603	986
	20	4365	2147	810	21	4648	2157	1157
200	10	2152	1052	553	11	2772	1318	825
	15	3468	1706	732	16	3796	1781	1127
	20	4850	2385	882	21	5164	2397	1256
220	10	2367	1157	624	11	3049	1450	936
	15	3815	1876	831	16	4176	1959	1283
	20	5335	2624	1005	21	5680	2636	1439
240	10	2582	1262	672	11	3326	1582	1008
	15	4162	2047	893	16	4555	2137	1381
	20	5820	2862	1085	21	6197	2876	1549
260	10	2798	1368	714	11	3604	1714	1069
	15	4508	2217	951	16	4935	2316	1466
	20	6305	3101	1153	21	6713	3116	1650
280	10	3013	1473	767	11	3881	1846	1141
	15	4855	2388	1017	16	5314	2493	1561
	20	6790	3339	1234	21	7230	3356	1756
300	10	3228	1578	805	11	4158	1977	1198
	15	5202	2558	1069	16	5694	2672	1640
	20	7275	3578	1300	21	7746	3595	1852

EN442 output at 20°C room temperature

# H060 - TEMPO

TEMW.060 LLL TT.101

L	STANDARD				TWIN			
	Type	Watts 75/65	Watts 55/45	€	Type	Watts 75/65	Watts 55/45	€
040	10	468	230	211	11	598	285	319
	15	746	369	248	16	834	391	375
	20	1043	516	285	21	1153	533	397
050	10	585	287	226	11	747	355	344
	15	933	462	267	16	1042	488	407
	20	1304	645	308	21	1441	666	435
060	10	702	345	247	11	896	426	368
	15	1120	554	292	16	1250	585	439
	20	1565	774	338	21	1729	799	474
070	10	819	402	279	11	1046	498	418
	15	1306	646	333	16	1459	683	507
	20	1826	904	391	21	2017	932	552
080	10	936	460	296	11	1195	569	442
	15	1493	739	354	16	1667	781	540
	20	2086	1032	418	21	2306	1066	590
090	10	1053	517	313	11	1345	640	470
	15	1679	831	380	16	1876	878	577
	20	2347	1161	448	21	2594	1199	632
100	10	1170	575	345	11	1494	711	514
	15	1866	923	417	16	2084	976	633
	20	2608	1291	495	21	2882	1332	698
110	10	1287	632	365	11	1643	782	542
	15	2053	1016	447	16	2292	1073	673
	20	2869	1420	528	21	3170	1465	744
120	10	1404	689	380	11	1793	853	568
	15	2239	1108	467	16	2501	1171	708
	20	3130	1549	556	21	3458	1598	783
140	10	1638	804	435	11	2092	995	639
	15	2612	1293	534	16	2918	1366	800
	20	3651	1807	665	21	4035	1865	936
160	10	1872	919	497	11	2390	1137	737
	15	2986	1478	619	16	3334	1561	934
	20	4173	2065	775	21	4611	2131	1097
180	10	2106	1034	540	11	2689	1279	797
	15	3359	1662	673	16	3751	1756	1017
	20	4694	2323	841	21	5188	2398	1190
200	10	2340	1149	590	11	2988	1422	863
	15	3732	1847	767	16	4168	1952	1160
	20	5216	2581	918	21	5764	2664	1292
220	10	2574	1264	663	11	3287	1564	976
	15	4105	2031	866	16	4585	2147	1320
	20	5738	2840	1045	21	6340	2931	1477
240	10	2808	1379	717	11	3586	1706	1052
	15	4478	2216	934	16	5002	2342	1422
	20	6259	3097	1127	21	6917	3197	1590
260	10	3042	1494	759	11	3884	1848	1115
	15	4852	2401	994	16	5418	2537	1509
	20	6781	3356	1196	21	7493	3464	1693
280	10	3276	1609	818	11	4183	1990	1191
	15	5225	2586	1063	16	5835	2732	1606
	20	7302	3614	1280	21	8070	3730	1805
300	10	3510	1724	858	11	4482	2133	1253
	15	5598	2770	1116	16	6252	2928	1688
	20	7824	3872	1350	21	8646	3997	1903

EN442 output at 20°C room temperature

# TEMPO - H070

TEMW.070 LLL TT.101

L	STANDARD				TWIN			
	Type	Watts 75/65	Watts 55/45	€	Type	Watts 75/65	Watts 55/45	€
040	10	499	246	223	11	636	303	332
	15	789	393	259	16	904	422	387
	20	1101	548	300	21	1271	585	414
050	10	624	308	240	11	795	378	355
	15	986	491	281	16	1130	528	421
	20	1377	686	326	21	1589	731	450
060	10	749	370	259	11	954	454	383
	15	1183	589	305	16	1356	634	455
	20	1652	823	354	21	1906	877	492
070	10	874	431	295	11	1113	530	434
	15	1380	687	349	16	1582	739	521
	20	1927	960	409	21	2224	1024	569
080	10	998	493	310	11	1272	606	461
	15	1578	785	374	16	1808	845	557
	20	2202	1097	437	21	2542	1170	608
090	10	1123	554	332	11	1431	681	488
	15	1775	883	397	16	2034	950	597
	20	2478	1234	470	21	2859	1316	652
100	10	1248	616	364	11	1590	757	534
	15	1972	981	437	16	2260	1056	653
	20	2753	1371	517	21	3177	1462	722
110	10	1373	678	386	11	1749	833	562
	15	2169	1080	469	16	2486	1162	695
	20	3028	1508	553	21	3495	1609	767
120	10	1498	739	399	11	1908	908	588
	15	2366	1178	490	16	2712	1267	729
	20	3304	1645	580	21	3812	1755	807
140	10	1747	862	461	11	2226	1060	666
	15	2761	1374	560	16	3164	1479	829
	20	3854	1919	695	21	4448	2048	968
160	10	1997	986	526	11	2544	1211	764
	15	3155	1570	647	16	3616	1690	965
	20	4405	2194	806	21	5083	2340	1129
180	10	2246	1109	570	11	2862	1363	828
	15	3550	1767	704	16	4068	1901	1049
	20	4955	2467	877	21	5719	2633	1224
200	10	2496	1232	624	11	3180	1514	900
	15	3944	1963	800	16	4520	2112	1194
	20	5506	2742	954	21	6354	2925	1330
220	10	2746	1355	698	11	3498	1665	1013
	15	4338	2159	905	16	4972	2323	1358
	20	6057	3016	1084	21	6989	3217	1518
240	10	2995	1478	756	11	3816	1817	1092
	15	4733	2356	976	16	5424	2535	1461
	20	6607	3290	1171	21	7625	3510	1637
260	10	3245	1602	800	11	4134	1968	1157
	15	5127	2552	1035	16	5876	2746	1553
	20	7158	3564	1242	21	8260	3802	1740
280	10	3494	1725	861	11	4452	2119	1236
	15	5522	2748	1109	16	6328	2957	1654
	20	7708	3838	1330	21	8896	4095	1856
300	10	3744	1848	905	11	4770	2271	1300
	15	5916	2944	1166	16	6780	3168	1738
	20	8259	4113	1401	21	9531	4387	1955

EN442 output at 20°C room temperature

# H090 - TEMPO

TEMW.090 LLL TT.101

L	STANDARD				TWIN			
	Type	Watts 75/65	Watts 55/45	€	Type	Watts 75/65	Watts 55/45	€
040	10	548	273	249	11	703	335	355
	15	848	427	288	16	1038	483	416
	20	1183	596	332	21	1508	688	447
050	10	685	341	266	11	879	419	383
	15	1060	534	311	16	1298	604	449
	20	1479	745	358	21	1885	860	486
060	10	821	409	288	11	1055	503	412
	15	1272	641	338	16	1558	725	488
	20	1774	894	392	21	2262	1032	528
070	10	958	477	327	11	1231	587	467
	15	1484	748	386	16	1817	846	557
	20	2070	1043	448	21	2639	1204	608
080	10	1095	546	345	11	1406	670	494
	15	1696	855	410	16	2077	967	596
	20	2366	1192	478	21	3016	1376	651
090	10	1232	614	368	11	1582	754	523
	15	1908	961	439	16	2336	1087	635
	20	2661	1341	513	21	3393	1548	696
100	10	1369	682	402	11	1758	838	574
	15	2120	1068	479	16	2596	1208	696
	20	2957	1490	564	21	3770	1720	767
110	10	1506	750	427	11	1934	922	605
	15	2332	1175	514	16	2856	1329	741
	20	3253	1639	602	21	4147	1892	818
120	10	1643	819	446	11	2110	1006	632
	15	2544	1282	536	16	3115	1450	776
	20	3548	1788	631	21	4524	2064	859
140	10	1917	955	514	11	2461	1173	718
	15	2968	1496	618	16	3634	1691	885
	20	4140	2086	756	21	5278	2408	1029
160	10	2190	1091	583	11	2813	1341	822
	15	3392	1709	709	16	4154	1933	1025
	20	4731	2384	873	21	6032	2752	1193
180	10	2464	1228	633	11	3164	1508	889
	15	3816	1923	773	16	4673	2175	1114
	20	5323	2682	948	21	6786	3097	1298
200	10	2738	1364	694	11	3516	1676	968
	15	4240	2137	877	16	5192	2416	1269
	20	5914	2980	1033	21	7540	3441	1408
220	10	3012	1501	773	11	3868	1843	1088
	15	4664	2350	981	16	5711	2658	1437
	20	6505	3278	1168	21	8294	3785	1601
240	10	3286	1637	838	11	4219	2011	1174
	15	5088	2564	1064	16	6230	2899	1547
	20	7097	3576	1264	21	9048	4129	1730
260	10	3559	1773	887	11	4571	2178	1242
	15	5512	2778	1128	16	6750	3141	1644
	20	7688	3874	1343	21	9802	4473	1836
280	10	3833	1910	954	11	4922	2346	1330
	15	5936	2991	1210	16	7269	3383	1750
	20	8280	4172	1437	21	10556	4817	1958
300	10	4107	2046	1002	11	5274	2513	1396
	15	6360	3205	1268	16	7788	3624	1837
	20	8871	4470	1510	21	11310	5161	2062

EN442 output at 20°C room temperature

# jaga

CLIMATE DESIGNERS

## MINI WALL

Strikingly discrete

- Extremely suited to spaces with large windows and for dwarf walls under window seats.
- Heights from 8cm
- Beautiful in combination with the free-standing Mini for glazed façades.
- Stable one-piece casing.
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- Safe surface temperature.
- **A 30 year guarantee** on the heat exchanger.

Also available as freestanding model for glazed façades. See page 136.

MINI WALL sandblast grey (001)







MINI WALL

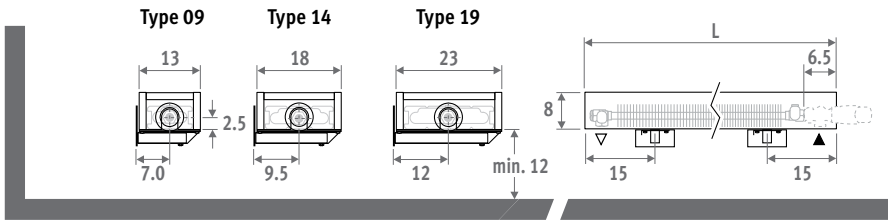


# MINI WALL MOUNTED MODEL

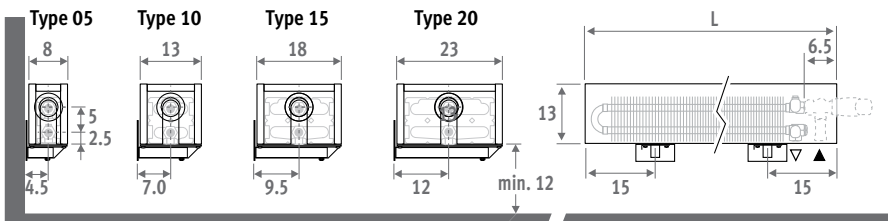


## DIMENSIONS (in cm)

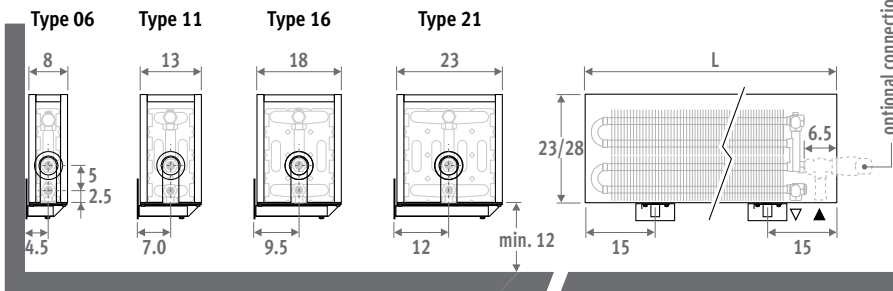
### HEIGHT 008 (opposite end connections)



### HEIGHT 013



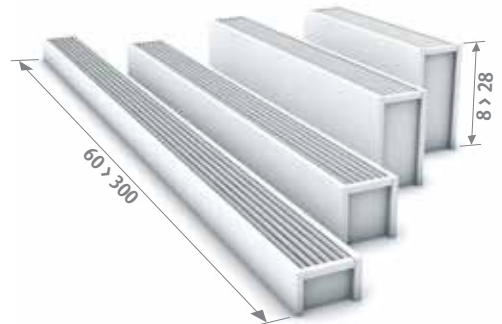
### HEIGHT 023 / 028



Also available as freestanding model for glazed façades. See page 136.

### ORDERING CODE

code	height	length	type	colour
MINW .	008	060	09 .	XXX
<i>fill in colour code</i>				



## DELIVERY

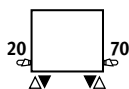
- Easy to install by one person.
- Standard delivery:
  - Low-H<sub>2</sub>O heat exchanger, air vent 1/8" and drain plug 1/2"
  - casing in one piece for connection left or right
  - wall brackets in the same colour as the casing

## COLOURS

- Environmentally friendly, scratch-resistant, high UV resistant powder coating.
- Standard colours:
- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
  - sandblast grey (001), fine texture metallic lacquer
  - off-black RAL 7021 (145) Soft touch: finely textured matte look, gloss degree < 10%
- Other colours: see colour chart.

## CONNECTION

Standard connection:  
 Height 008: opposite end connection, flow left or right  
 Other heights: same end connection, left or right connection.



It is not possible to connect to the wall from inside the casing, as the casing includes a closed rear panel.

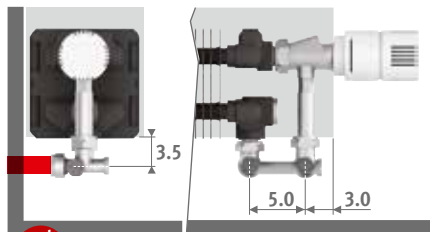
## CONNECTION SETS

### Mini height 013/023/028

- Connection to the floor:**  
 use set 104 (see page 318)
- Connection to the wall:**  
 Jaga H-valve for one or two pipe  
 TRV head and sleeve couplings Eurocone 3/4" included.

### Mini height 008

- Connection to the floor:**  
 use set 222 (see page 325).
- Connection to the wall:**  
 use set 25 (see page 328) and  
 1 angle 90° M24xM24 (see page 334).



set 103

CODE 1-PIPE/2-PIPE €

COLO.HBSW.AW.4... 101

COLO.HBSW.JW.4... 110

*fill in sleeve coupling code*

- Precision metal tube 15/1 115
- Precision metal tube 16/1 116
- RPE/ALU tube 16/2 616
- RPE/ALU tube 20/2 620

### Other connections:

See chapter "Connection sets and valves Low-H<sub>2</sub>O" for all connection options and technical information



# jaga

CLIMATE DESIGNERS

## KNOCKONWOOD

Warm power, noble wood

- Subtle, timeless design, curved one piece wooden mantle with a high-grade veneer finish.
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- Suitable for an integrated valve and concealed connection.
- Safe surface temperature.
- **A 30 year guarantee** on the heat exchanger.



design award  
winner

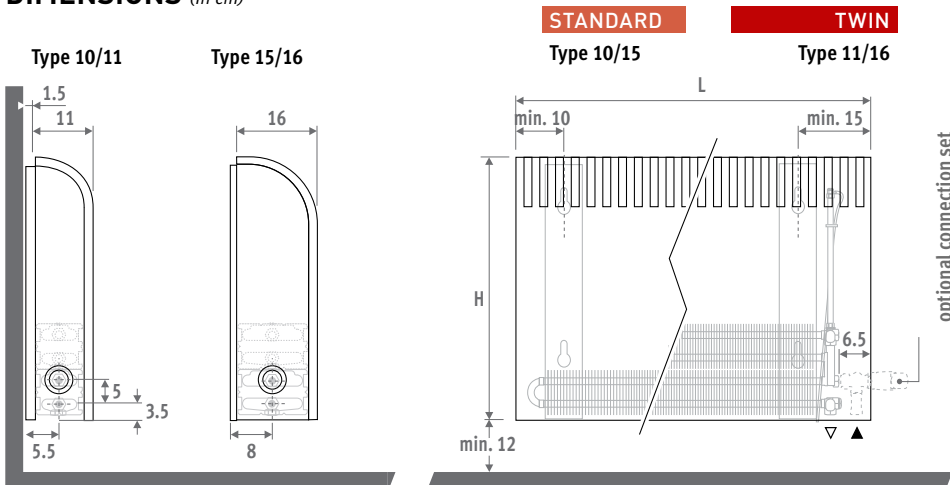




KNOCKONWOOD



## DIMENSIONS (in cm)



## DELIVERY

Delivered in a cardboard box, which can also be used as protection on site after installation. Standard delivery:

- Low-H<sub>2</sub>O heat exchanger with wall brackets, fixing kit, extended air vent 1/8" and drain plug 1/2"
- casing in one piece with wooden cover in plywood with high-grade veneer and metal side panels in sandblast grey (001)
- cover plate in stainless steel effect for the side panel at the opposite end from the valve

## WOOD FINISHES

The wooden casing is finished with a scratch-resistant polyurethane varnish, satin mat, gloss degree 40%. High UV resistance.

Available from stock in height 055 and lengths from 060 to 140



700 Oak natural 740 Zebrano natural

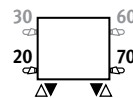
## CONNECTION

Standard connection:

Bottom end left or right, to the wall or to the floor. Connection to the wall via the bottom of the casing, or totally concealed within the casing, depending on the valve or connection set chosen.

Optional high level valve:

add to the code of the radiator /30 (left) or /60 (right)  
Ex. KNOW.030 060 06.xxx/60  
High level valve details : see "Connection sets & Valves".



Optional remote controlled valve:

add to the code of the radiator /00.  
Ex. KNOW.030 060 06.xxx/00  
For valve set prices see chapter "Connection sets & valves"

## ORDERING CODE

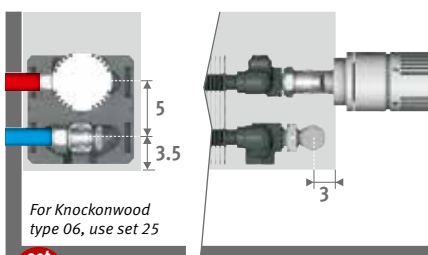
code	height	length	type	colour
KNOW .	055	060	10 .	XXX
<i>fill in type of wood</i>				



## CONNECTION SETS

To the wall, totally concealed within the casing

TRV head and sleeve couplings Eurocone 3/4" included.



set 225

CODE 2-PIPE

€



COLO.SW2.AW.4...

84



COLO.SW2.JW.4...

91

*fill in sleeve coupling code*

Precision metal tube 15/1 115

Precision metal tube 16/1 116

RPE/ALU tube 16/2 616

RPE/ALU tube 20/2 620

## Other connections:

See chapter "Connection sets and valves" for all connection options and technical information

# KNOCKONWOOD

## STANDARD RANGE

KNOW.HHH LLL TT.XXX

	STANDARD				TWIN			
	Type	Watts	Watts	€	Type	Watts	Watts	€
		75/65	55/45			75/65	55/45	
<b>L</b>	<b>H 055</b>							
<b>060</b>	<b>10</b>	660	319	<b>884</b>	<b>11</b>	718	333	<b>1001</b>
	<b>15</b>	1001	488	<b>940</b>	<b>16</b>	1063	495	<b>1082</b>
<b>080</b>	<b>10</b>	880	425	<b>984</b>	<b>11</b>	958	444	<b>1127</b>
	<b>15</b>	1335	651	<b>1055</b>	<b>16</b>	1418	660	<b>1234</b>
<b>100</b>	<b>10</b>	1100	532	<b>1138</b>	<b>11</b>	1197	555	<b>1302</b>
	<b>15</b>	1669	814	<b>1233</b>	<b>16</b>	1772	825	<b>1442</b>
<b>120</b>	<b>10</b>	1320	638	<b>1329</b>	<b>11</b>	1436	666	<b>1511</b>
	<b>15</b>	2003	977	<b>1438</b>	<b>16</b>	2126	989	<b>1670</b>
<b>140</b>	<b>10</b>	1540	744	<b>1494</b>	<b>11</b>	1676	777	<b>1691</b>
	<b>15</b>	2337	1140	<b>1614</b>	<b>16</b>	2481	1155	<b>1873</b>

## AVAILABLE ON REQUEST

### Other wood finishes:

	
<b>760</b> Maple natural	<b>720</b> Beech natural
	
<b>701</b> Oak bleached	<b>721</b> Beech bleached
	
<b>710</b> Mahogany	<b>702</b> Oak wenge-colour
	
<b>780</b> Walnut	

### Other dimensions:

Height 030 and 090cm. Length 180 and 220 cm



Not available per piece! For your personalized offer  
tel. 0032 11 29 41 12

EN442 output at 20°C room temperature

# jaga

CLIMATE DESIGNERS

## PLAY

Playful warmth, colourful comfort

- Completely pre-assembled and mounted casing, consisting of painted MDF panels with aluminium spacer rings.
- Standard pencil-proof grille, to prevent small objects or waste falling into the casing.
- Optional protective base grille.
- Integrated valve with thermostat in the front panel.
- Connections can be completely concealed within the casing.
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- Safe surface temperature.
- **A 30 year guarantee** on the heat exchanger.



PLAY PIANO

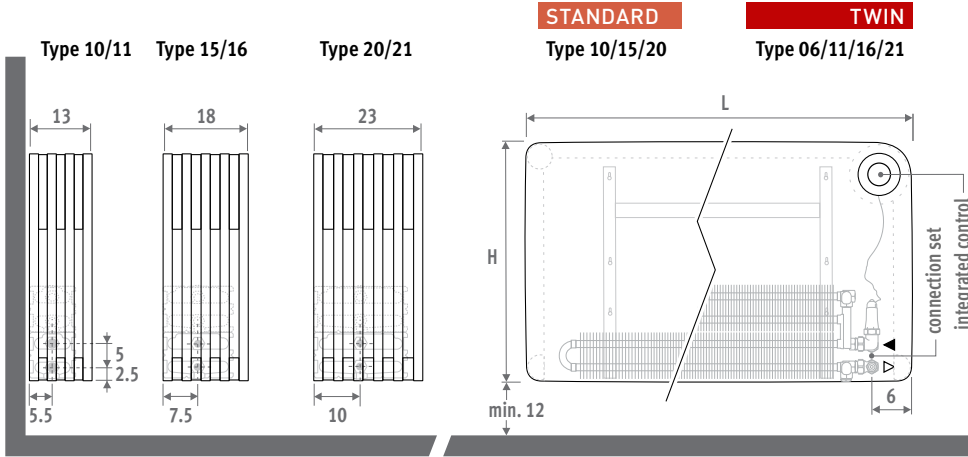






PLAY

## DIMENSIONS (in cm)



## DELIVERY

Delivered in a cardboard box, which can also be used as protection on site after installation. standard delivery:

- Low-H<sub>2</sub>O heat exchanger with wall brackets and fixing kit, air vent 1/8" and drain plug 1/2"
- one piece casing, completely mounted, consisting of lacquered MDF panels with anodised aluminium spacer rings
- premounted and integrated control in the front panel in the top right hand corner, included valve and sleeve couplings for connection to the wall or to the floor
- pencil-proof grille

## COLOURS

Scratch resistant polyurethane finish with a soft structured mat surface. High UV resistance.

### Category 1



**WHI** Play White

### Category 2



**BLA** Play Black



**PIA** Play Piano



**BOY** Play4Boy



**GIR** Play4Girl

## ORDERING CODE

Connection to the wall  
within the casing

code height length type colour conn.

**PLAW. 035 060 10 . XXX /WR /TIB /...**

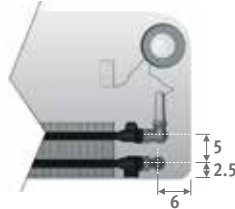
Enter colour code

To the wall, right /WR

To the wall, left /WL

Always 2-Pipe /TIB

Fill in sleeve coupling code: see p. 329

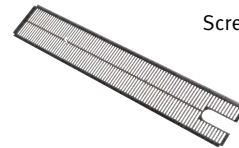


## CREATE YOUR OWN COLOURS OR CREATE YOUR OWN PRINT

Design your own colour combination or print on the front panel. For more info go to: [export@jaga.be](mailto:export@jaga.be)



## BASE GRILLE



Screens the bottom of the casing. Colour black (RAL 9005)

	code	length	type	model
<b>ORDERING CODE</b>	<b>5641.000</b>	<b>060</b>	<b>10</b>	<b>/PLA</b>
	<b>Type 10/11</b>	<b>15/16</b>	<b>20/21</b>	
<b>L</b>	<b>€</b>	<b>€</b>	<b>€</b>	
<b>060</b>	42	45	46	
<b>080</b>	44	48	49	
<b>100</b>	46	52	54	
<b>120</b>	49	57	64	

STANDARD						TWIN				
	Type	Watts		€		Type	Watts		€	
		75/65	55/45	cat. 1	cat. 2		75/65	55/45	cat. 1	cat. 2
<b>L H 035</b>										
060	10	529	259	1044	1157	11	583	277	1153	1266
	15	805	397	1166	1279	16	870	409	1300	1413
	20	1104	547	1279	1392	21	1217	568	1400	1513
080	10	705	346	1121	1234	11	777	369	1255	1368
	15	1074	529	1253	1366	16	1160	546	1418	1532
	20	1472	729	1389	1502	21	1622	756	1541	1654
100	10	881	432	1183	1362	11	971	461	1331	1511
	15	1342	661	1330	1510	16	1450	682	1522	1701
	20	1840	911	1484	1663	21	2028	946	1660	1839
120	10	1057	518	1248	1428	11	1165	553	1417	1598
	15	1610	793	1415	1596	16	1740	819	1637	1818
	20	2208	1093	1585	1765	21	2434	1135	1795	1975
<b>L H 050</b>										
060	10	591	287	1103	1216	11	685	324	1215	1328
	15	925	452	1227	1341	16	1040	489	1359	1472
	20	1284	632	1352	1465	21	1461	683	1473	1586
080	10	788	383	1184	1297	11	913	432	1319	1432
	15	1234	603	1326	1439	16	1386	652	1494	1607
	20	1712	842	1474	1587	21	1948	911	1628	1741
100	10	985	479	1251	1431	11	1141	540	1401	1581
	15	1542	754	1412	1592	16	1733	815	1604	1783
	20	2140	1053	1574	1754	21	2435	1138	1750	1931
120	10	1182	574	1321	1501	11	1369	647	1492	1671
	15	1850	905	1500	1680	16	2080	978	1723	1903
	20	2568	1264	1684	1864	21	2922	1366	1892	2073
<b>L H 065</b>										
060	10	653	315	1178	1291	11	778	366	1288	1401
	15	1040	505	1312	1426	16	1187	558	1444	1557
	20	1454	711	1446	1559	21	1663	780	1568	1681
080	10	870	419	1254	1367	11	1037	488	1389	1502
	15	1386	673	1407	1520	16	1582	743	1574	1687
	20	1938	948	1566	1679	21	2218	1040	1718	1832
100	10	1088	524	1320	1500	11	1296	610	1470	1650
	15	1733	841	1491	1670	16	1978	929	1682	1861
	20	2423	1185	1664	1844	21	2772	1299	1841	2020
120	10	1306	629	1395	1575	11	1555	732	1567	1746
	15	2080	1010	1585	1765	16	2374	1115	1808	1988
	20	2908	1422	1778	1958	21	3326	1559	1989	2169

EN442 output at 20°C room temperature



# jaga

CLIMATE DESIGNERS

## PANEL PLUS HORIZONTAL

Elegant simplicity and power

Streamlined, elegant design. The compact style of the Panel Plus allows creative freedom to the designer and saves space too! The Panel Plus can be fitted as a wall mounted radiator, but Jaga also offers a super compact, solid skirting model starting at a height of 6 cm! The robust design of the Panel Plus radiator with its hidden collectors provides an elegant simplicity that oozes quality.

Vertical version: see p. 112.  
Freestanding version: see p. 156.

PANEL PLUS HORIZONTAL sandblast grey 001





PANEL PLUS HORIZONTAL 



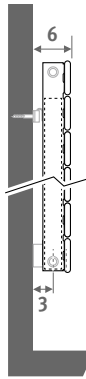
# PANEL PLUS HORIZONTAL

## DIMENSIONS (in cm)

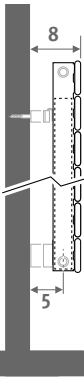
- standard connection
- variant

Vertical version: see p. 112.  
Freestanding version: see p. 156.

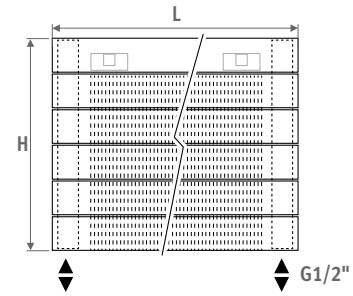
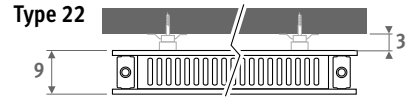
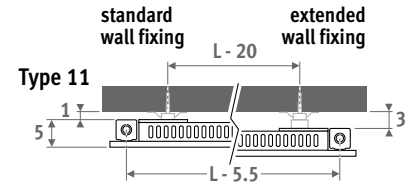
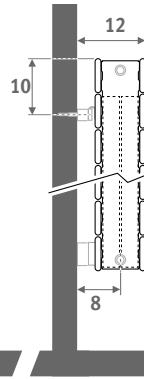
Type 11  
standard  
wall fixing



Type 11  
extended  
wall fixing



Type 22



## DELIVERY

- connection 18 underneath
- wall fixing
- chrome-plated air vent and drain plug G1/2"
- pre-mounted grille
- type 11 is provided with standard and extended wall fixings

## COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic
- off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%

Other colours: see colour chart.

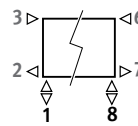
## CONNECTION

Code:

- 1° number = flow
- 2° number = return

Standard connection:

Code 18, reversible 18 or 81



Other connections (no surcharge):

- side connection:
  - one-sided: code 32 or 67 instead of 18
  - cross-over: code 37 or 62 instead of 18
- single point connection: code 11 (left) or 88 (right) instead of 18.

Always use a vertical diffusion tube (ø 10 to 12mm) min. 100 mm long and a reduction washer.

## CONNECTION SETS

Example showing connection set to the wall

**Jaga Deco double angled**

TRV head and sleeve couplings included.



set 35	<b>To the wall</b>	€
	CODE.JH2.AC.1...	219
<i>fill in sleeve coupling code</i>		
	Precision metal tube 15/1	115
	Precision metal tube 16/1	116
	Precision metal tube 18/1	118
	RPE/ALU tube 16/2	316
	RPE/ALU tube 18/2	318

## Other connection sets and sleeve couplings

see chapter "Connection sets and valves" for all connection options and technical information

# PANEL PLUS HORIZONTAL

code height length type colour conn.  
**PPHW . 018 100 11 . XXX /18 /GR**  
 fill in colour code \_\_\_\_\_

Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 018</b>				
060	---	---	---	---
080	---	---	---	---
100	11 389	204	432	518
	22 626	312	806	968
120	11 466	244	476	571
	22 751	374	883	1063
140	11 544	285	523	626
	22 876	436	965	1157
160	11 622	326	569	684
	22 1001	498	1047	1256
180	11 699	367	615	739
	22 1126	561	1124	1349
200	11 777	408	659	791
	22 1252	623	1201	1441
220	11 855	449	706	847
	22 1377	686	1281	1538
240	11 932	489	750	900
	22 1502	748	1356	1630
260	11 1010	530	797	956
	22 1627	810	1440	1728
280	11 1088	571	840	1009
	22 1752	872	1517	1821
300	11 1166	612	888	1067
	22 1877	935	1596	1914
<b>L H 037</b>				
060	11 380	199	505	608
	22 659	328	990	1188
080	11 507	266	578	694
	22 879	438	1121	1346
100	11 633	332	651	780
	22 1098	547	1255	1506
120	11 760	399	721	868
	22 1318	656	1386	1662
140	11 887	465	793	951
	22 1538	766	1517	1822
160	11 1013	531	864	1040
	22 1757	875	1652	1984
180	11 1140	598	937	1123
	22 1977	984	1781	2137
200	11 1267	665	1007	1210
	22 2197	1094	1913	2298
220	11 1394	731	1078	1296
	22 2416	1203	2044	2453
240	11 1520	797	1153	1381
	22 2636	1313	2177	2612
260	11 1647	864	1220	1468
	22 2856	1422	2307	2769
280	11 1774	931	1293	1551
	22 3075	1531	2437	2925
300	11 1900	997	1364	1636
	22 3295	1641	2566	3080

Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 024</b>				
060	11 285	150	380	454
	22 477	238	730	877
080	11 380	199	433	519
	22 636	317	825	989
100	11 475	249	485	582
	22 794	395	918	1103
120	11 570	299	532	641
	22 953	475	1003	1204
140	11 665	349	582	699
	22 1112	554	1088	1305
160	11 760	399	634	763
	22 1271	633	1179	1417
180	11 855	449	684	820
	22 1430	712	1264	1518
200	11 950	498	731	879
	22 1589	791	1349	1619
220	11 1045	548	781	939
	22 1748	870	1434	1723
240	11 1140	598	832	997
	22 1907	950	1523	1827
260	11 1235	648	880	1055
	22 2065	1028	1610	1933
280	11 1330	698	930	1115
	22 2224	1107	1695	2036
300	11 1425	748	979	1172
	22 2383	1187	1780	2136
<b>L H 043</b>				
060	11 425	223	569	683
	22 742	369	1116	1339
080	11 566	297	652	781
	22 989	492	1271	1523
100	11 708	371	731	879
	22 1236	615	1423	1708
120	11 849	445	815	979
	22 1483	738	1578	1896
140	11 991	520	897	1077
	22 1730	861	1733	2080
160	11 1132	594	981	1177
	22 1978	985	1886	2263
180	11 1274	668	1066	1279
	22 2225	1108	2043	2452
200	11 1415	742	1147	1378
	22 2472	1231	2195	2635
220	11 1557	817	1229	1473
	22 2719	1354	2349	2817
240	11 1698	891	1309	1573
	22 2966	1477	2503	3007
260	11 1840	965	1393	1675
	22 3214	1600	2659	3190
280	11 1981	1039	1477	1775
	22 3461	1723	2815	3378
300	11 2123	1114	1561	1874
	22 3708	1846	2973	3567

Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 031</b>				
060	11 334	175	442	529
	22 571	284	856	1028
080	11 445	233	504	607
	22 761	379	972	1167
100	11 556	292	566	680
	22 951	474	1085	1302
120	11 668	350	624	749
	22 1142	569	1186	1423
140	11 779	409	689	827
	22 1332	663	1305	1567
160	11 890	467	749	900
	22 1522	758	1411	1694
180	11 1001	525	809	970
	22 1713	853	1522	1826
200	11 1113	584	869	1043
	22 1903	948	1632	1956
220	11 1224	642	928	1115
	22 2093	1042	1738	2085
240	11 1335	700	991	1190
	22 2283	1137	1849	2217
260	11 1446	759	1052	1262
	22 2474	1232	1961	2352
280	11 1558	817	1116	1339
	22 2664	1327	2078	2493
300	11 1669	876	1179	1417
	22 2854	1421	2189	2628
<b>L H 050</b>				
060	11 468	246	633	759
	22 819	408	1247	1497
080	11 624	327	727	872
	22 1092	544	1422	1706
100	11 780	409	817	980
	22 1365	680	1595	1912
120	11 936	491	909	1094
	22 1638	816	1771	2126
140	11 1091	572	1003	1205
	22 1911	952	1947	2336
160	11 1247	654	1097	1320
	22 2185	1088	2124	2549
180	11 1403	736	1191	1429
	22 2458	1224	2300	2760
200	11 1559	818	1284	1543
	22 2731	1360	2478	2975
220	11 1715	900	1378	1652
	22 3004	1496	2652	3182
240	11 1871	982	1472	1767
	22 3277	1632	2832	3398
260	11 2027	1063	1567	1881
	22 3550	1768	3012	3612
280	11 2183	1145	1659	1993
	22 3823	1904	3186	3821
300	11 2339	1227	1753	2103
	22 4096	2040	3357	4032

EN442 output at 20°C room temperature



# PANEL PLUS HORIZONTAL

	Type	Watts	Watts	€	€
		75/65	55/45	st. colour	other
<b>L</b>	<b>H 056</b>				
<b>060</b>	<b>11</b>	510	268	<b>695</b>	<b>834</b>
	<b>22</b>	892	444	<b>1378</b>	<b>1652</b>
<b>080</b>	<b>11</b>	680	357	<b>799</b>	<b>959</b>
	<b>22</b>	1190	593	<b>1571</b>	<b>1885</b>
<b>100</b>	<b>11</b>	850	446	<b>900</b>	<b>1077</b>
	<b>22</b>	1487	740	<b>1762</b>	<b>2113</b>
<b>120</b>	<b>11</b>	1020	535	<b>1004</b>	<b>1206</b>
	<b>22</b>	1784	888	<b>1964</b>	<b>2357</b>
<b>140</b>	<b>11</b>	1190	624	<b>1109</b>	<b>1330</b>
	<b>22</b>	2082	1037	<b>2161</b>	<b>2592</b>
<b>160</b>	<b>11</b>	1360	714	<b>1214</b>	<b>1456</b>
	<b>22</b>	2379	1185	<b>2360</b>	<b>2832</b>
<b>180</b>	<b>11</b>	1530	803	<b>1317</b>	<b>1582</b>
	<b>22</b>	2676	1333	<b>2558</b>	<b>3070</b>
<b>200</b>	<b>11</b>	1700	892	<b>1423</b>	<b>1708</b>
	<b>22</b>	2974	1481	<b>2761</b>	<b>3312</b>
<b>220</b>	<b>11</b>	1870	981	<b>1527</b>	<b>1832</b>
	<b>22</b>	3271	1629	<b>2958</b>	<b>3551</b>
<b>240</b>	<b>11</b>	2040	1070	<b>1633</b>	<b>1958</b>
	<b>22</b>	3569	1777	<b>3156</b>	<b>3789</b>
<b>260</b>	<b>11</b>	2210	1159	<b>1736</b>	<b>2083</b>
	<b>22</b>	3866	1925	<b>3355</b>	<b>4027</b>
<b>280</b>	<b>11</b>	2380	1249	<b>1838</b>	<b>2208</b>
	<b>22</b>	4163	2073	<b>3551</b>	<b>4261</b>
<b>300</b>	<b>11</b>	2549	1337	<b>1944</b>	<b>2330</b>
	<b>22</b>	4461	2221	<b>3748</b>	<b>4498</b>

	Type	Watts	Watts	€	€
		75/65	55/45	st. colour	other
<b>L</b>	<b>H 069</b>				
<b>060</b>	<b>11</b>	592	310	<b>811</b>	<b>973</b>
	<b>22</b>	1025	510	<b>1611</b>	<b>1933</b>
<b>080</b>	<b>11</b>	789	414	<b>925</b>	<b>1111</b>
	<b>22</b>	1367	681	<b>1831</b>	<b>2198</b>
<b>100</b>	<b>11</b>	986	517	<b>1043</b>	<b>1253</b>
	<b>22</b>	1709	851	<b>2056</b>	<b>2466</b>
<b>120</b>	<b>11</b>	1183	620	<b>1163</b>	<b>1396</b>
	<b>22</b>	2051	1021	<b>2288</b>	<b>2747</b>
<b>140</b>	<b>11</b>	1381	724	<b>1285</b>	<b>1544</b>
	<b>22</b>	2392	1191	<b>2522</b>	<b>3026</b>
<b>160</b>	<b>11</b>	1578	827	<b>1409</b>	<b>1691</b>
	<b>22</b>	2734	1361	<b>2761</b>	<b>3314</b>
<b>180</b>	<b>11</b>	1775	931	<b>1529</b>	<b>1837</b>
	<b>22</b>	3076	1532	<b>2993</b>	<b>3593</b>
<b>200</b>	<b>11</b>	1972	1034	<b>1655</b>	<b>1986</b>
	<b>22</b>	3418	1702	<b>3231</b>	<b>3877</b>
<b>220</b>	<b>11</b>	2169	1137	<b>1777</b>	<b>2133</b>
	<b>22</b>	3760	1872	<b>3467</b>	<b>4159</b>
<b>240</b>	<b>11</b>	2367	1241	<b>1900</b>	<b>2278</b>
	<b>22</b>	4101	2042	<b>3702</b>	<b>4443</b>
<b>260</b>	<b>11</b>	2564	1344	<b>2022</b>	<b>2428</b>
	<b>22</b>	4443	2212	<b>3940</b>	<b>4726</b>
<b>280</b>	<b>11</b>	2761	1448	<b>2143</b>	<b>2573</b>
	<b>22</b>	4785	2383	<b>4173</b>	<b>5006</b>
<b>300</b>	<b>11</b>	2958	1551	<b>2265</b>	<b>2721</b>
	<b>22</b>	5127	2553	<b>4409</b>	<b>5290</b>

	Type	Watts	Watts	€	€
		75/65	55/45	st. colour	other
<b>L</b>	<b>H 081</b>				
<b>060</b>	<b>11</b>	671	352	<b>908</b>	<b>1091</b>
	<b>22</b>	1143	569	<b>1811</b>	<b>2175</b>
<b>080</b>	<b>11</b>	895	469	<b>1033</b>	<b>1241</b>
	<b>22</b>	1524	759	<b>2051</b>	<b>2462</b>
<b>100</b>	<b>11</b>	1119	587	<b>1160</b>	<b>1391</b>
	<b>22</b>	1905	949	<b>2296</b>	<b>2754</b>
<b>120</b>	<b>11</b>	1342	704	<b>1296</b>	<b>1553</b>
	<b>22</b>	2286	1139	<b>2555</b>	<b>3067</b>
<b>140</b>	<b>11</b>	1566	821	<b>1429</b>	<b>1716</b>
	<b>22</b>	2667	1329	<b>2815</b>	<b>3378</b>
<b>160</b>	<b>11</b>	1790	939	<b>1564</b>	<b>1875</b>
	<b>22</b>	3048	1519	<b>3076</b>	<b>3689</b>
<b>180</b>	<b>11</b>	2013	1056	<b>1696</b>	<b>2037</b>
	<b>22</b>	3430	1709	<b>3333</b>	<b>4004</b>
<b>200</b>	<b>11</b>	2237	1173	<b>1832</b>	<b>2201</b>
	<b>22</b>	3811	1899	<b>3595</b>	<b>4317</b>
<b>220</b>	<b>11</b>	2461	1290	<b>1969</b>	<b>2363</b>
	<b>22</b>	4192	2089	<b>3860</b>	<b>4631</b>
<b>240</b>	<b>11</b>	2684	1407	<b>2102</b>	<b>2522</b>
	<b>22</b>	4573	2278	<b>4114</b>	<b>4939</b>
<b>260</b>	<b>11</b>	2908	1525	<b>2238</b>	<b>2685</b>
	<b>22</b>	4954	2468	<b>4377</b>	<b>5255</b>
<b>280</b>	<b>11</b>	3132	1642	<b>2371</b>	<b>2847</b>
	<b>22</b>	5335	2658	<b>4636</b>	<b>5564</b>
<b>300</b>	<b>11</b>	3356	1760	<b>2509</b>	<b>3009</b>
	<b>22</b>	5716	2848	<b>4899</b>	<b>5880</b>

EN442 output at 20°C room temperature

Panel Plus is available from 6cm high up to 94 cm, see: [www.jaga.com](http://www.jaga.com)

# jaga

CLIMATE DESIGNERS

## HEATWAVE

Playful curves  
out of a concrete shell

This gorgeous sculptured piece hangs on your wall like a work of art, drawing all eyes to it... This intriguing radiator is the first to unite the fine details of art and pure craftsmanship with industrial efficiency. The playful, sensuous curls form a deliberate contrast with their intractable concrete shell.

Design by Joris Laarman.





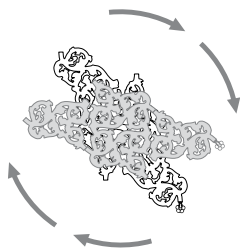
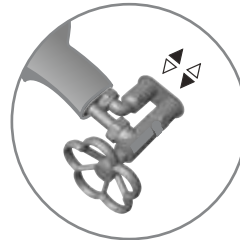
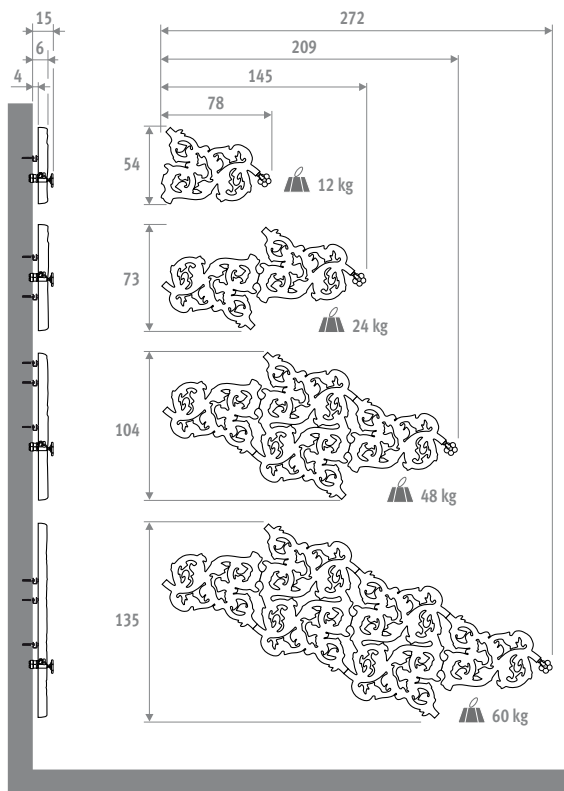
HEATWAVE





# HEATWAVE

## DIMENSIONS (in cm)



The Heatwave can be mounted in any orientation through 360°.

code	model	colour
HEAW . 001	OS	XXX
fill in colour code _____		

Model	Watts 75/65	Watts 55/45	€ st. colour	€ other
OS	232	125		
OM	430	234		On request
OL	820	446		
XL	1255	704		

EN442 output at 20°C room temperature

## DELIVERY

- wall mounted radiator from mineral composite, with scratch resistant lacquer finish
- depending on the model, delivered in 1, 2, 3 or 4 parts
- manual valve with hand wheel
- double built-in box for connection to wall 3/4" eurocone
- wall fixings
- installation template

## COLOURS

Standard colours:



623 matt black



628 stone grey

Other colours: RAL range on demand.

## CONNECTIONS

Provide an air vent on the central heating pipework above the radiator

small  
OS



medium  
OM



large  
OL



extra-large  
XL



EN 442

# jaga

CLIMATE DESIGNERS

## INSTALLATION IN A WALL RECESS

The comfort solution for minimalist architecture.

- The perfect built-in solution without sacrificing heating capacity.
- Space-saving.
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- Safe surface temperature.
- **A 30 year guarantee** on the heat exchanger.

EXAMPLE BUILT-IN WALL (front cover not included)



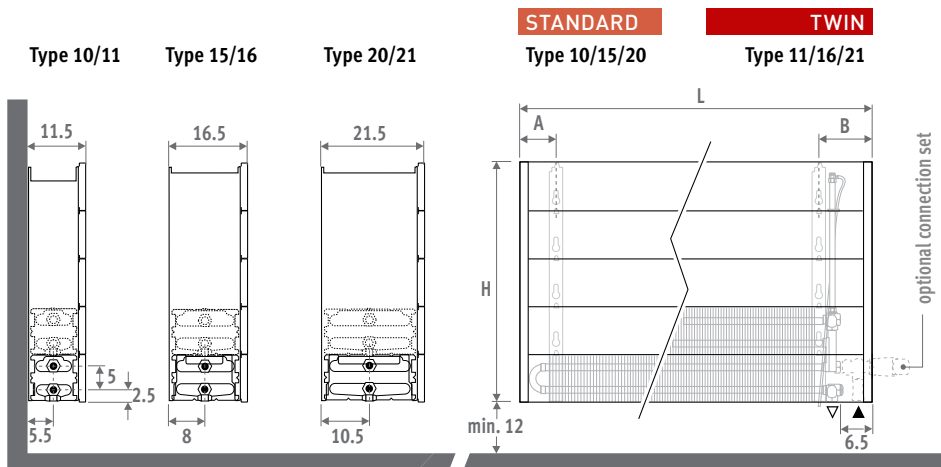


INSTALLATION IN A WALL RECESS



# INSTALLATION IN A WALL RECESS

## DIMENSIONS (in cm)



## DELIVERY

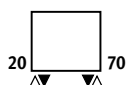
Light and easily installed by one person. Delivered flat packed in 2 packages for ease of handling and storage.

Standard delivery:

- Low-H<sub>2</sub>O heat exchanger with wall brackets and fixing kit
- air vent elbow (standard) or extended air vent (twin) 1/8" and drain plug 1/2"
- separation wall dark grey lacquered (not suitable as finished casing)

## CONNECTION

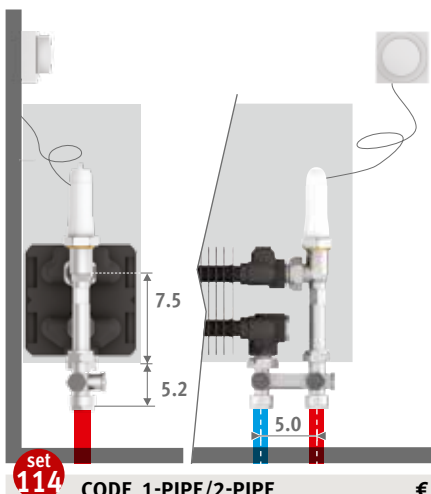
Standard connection bottom end left or right



## CONNECTION SETS

To the floor, with remote controlled thermostatic head

TRV head and sleeve couplings Eurocone 3/4" included.



Set 114 CODE 1-PIPE/2-PIPE €

COLO.VBSF.RD.4... 209

- fill in sleeve coupling code
- Precision metal tube 15/1 **115**
  - Precision metal tube 16/1 **116**
  - RPE/ALU tube 16/2 **616**
  - RPE/ALU tube 20/2 **620**

## Other connections:

See chapter "Connection sets and valves" for all connection options and technical information

## ORDERING CODE

code	height	length	type
BIWW .	020	040	10

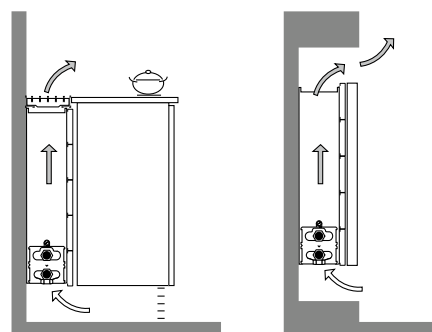
## GUIDELINES FOR INSTALLATION

Cupboards should be built in a way that permits access to the heat exchanger for regular maintenance.

In order to prevent dirt from falling into the heat exchanger, fit the grille a little higher than the cupboard edge.

The outputs indicated are based on a free air flow of 75% of the depth. If the free opening is smaller, a correction factor must be applied to calculate the heat output.

% Air flow	Correction factor
75	1.00
60	0.96
50	0.92
40	0.84
30	0.66





# H020 ■ INSTALLATION IN A WALL RECESS

BIWW.020 LLL TT

L	STANDARD				TWIN			
	Type	Watts 75/65	Watts 55/45	€	Type	Watts 75/65	Watts 55/45	€
040	10	262	126	116	---	---	---	---
	15	436	211	140	---	---	---	---
	20	613	296	167	---	---	---	---
050	10	328	158	127	---	---	---	---
	15	545	263	158	---	---	---	---
	20	766	370	186	---	---	---	---
060	10	393	189	139	---	---	---	---
	15	654	316	171	---	---	---	---
	20	919	444	208	---	---	---	---
070	10	459	221	163	---	---	---	---
	15	763	369	204	---	---	---	---
	20	1072	518	248	---	---	---	---
080	10	524	252	173	---	---	---	---
	15	872	421	220	---	---	---	---
	20	1226	592	269	---	---	---	---
090	10	590	284	186	---	---	---	---
	15	981	474	238	---	---	---	---
	20	1379	666	292	---	---	---	---
100	10	655	316	208	---	---	---	---
	15	1090	526	265	---	---	---	---
	20	1532	740	327	---	---	---	---
110	10	721	347	219	---	---	---	---
	15	1199	579	285	---	---	---	---
	20	1685	814	350	---	---	---	---
120	10	786	379	229	---	---	---	---
	15	1308	632	301	---	---	---	---
	20	1838	888	374	---	---	---	---
140	10	917	442	260	---	---	---	---
	15	1526	737	342	---	---	---	---
	20	2145	1036	453	---	---	---	---
160	10	1048	505	307	---	---	---	---
	15	1744	842	407	---	---	---	---
	20	2451	1184	540	---	---	---	---
180	10	1179	568	335	---	---	---	---
	15	1962	948	446	---	---	---	---
	20	2758	1332	590	---	---	---	---
200	10	1310	631	365	---	---	---	---
	15	2180	1053	515	---	---	---	---
	20	3064	1480	641	---	---	---	---
220	10	1441	694	418	---	---	---	---
	15	2398	1158	596	---	---	---	---
	20	3370	1628	744	---	---	---	---
240	10	1572	757	450	---	---	---	---
	15	2616	1264	638	---	---	---	---
	20	3677	1776	800	---	---	---	---
260	10	1703	820	480	---	---	---	---
	15	2834	1369	682	---	---	---	---
	20	3983	1924	856	---	---	---	---
280	10	1834	884	511	---	---	---	---
	15	3052	1474	724	---	---	---	---
	20	4290	2072	909	---	---	---	---
300	10	1965	947	540	---	---	---	---
	15	3270	1579	763	---	---	---	---
	20	4596	2220	963	---	---	---	---

Installation in a wall recess is also available in heights 70 and 90 cm, see: [www.jaga.com](http://www.jaga.com)

EN442 output at 20°C room temperature

# INSTALLATION IN A WALL RECESS ■ H 030

BIWW.030 LLL TT

L	STANDARD				TWIN			
	Type	Watts 75/65	Watts 55/45	€	Type	Watts 75/65	Watts 55/45	€
040	10	330	160	123	11	448	213	242
	15	544	264	146	16	592	279	285
	20	762	370	173	21	779	365	298
050	10	413	200	136	11	561	267	260
	15	680	330	165	16	740	349	311
	20	953	463	193	21	974	456	330
060	10	496	240	146	11	673	320	281
	15	815	396	182	16	888	418	338
	20	1144	556	217	21	1169	547	363
070	10	578	280	172	11	785	373	323
	15	951	462	215	16	1036	488	395
	20	1334	648	258	21	1364	639	426
080	10	661	320	186	11	897	426	344
	15	1087	528	231	16	1184	558	425
	20	1525	741	281	21	1558	730	461
090	10	743	360	201	11	1009	479	364
	15	1223	594	252	16	1332	628	457
	20	1715	834	304	21	1753	821	494
100	10	826	400	222	11	1121	533	398
	15	1359	660	280	16	1480	697	506
	20	1906	926	342	21	1948	912	554
110	10	909	440	236	11	1233	586	423
	15	1495	727	301	16	1628	767	536
	20	2097	1019	367	21	2143	1003	590
120	10	991	480	250	11	1345	639	442
	15	1631	793	316	16	1776	837	564
	20	2287	1112	390	21	2338	1095	625
140	10	1156	560	283	11	1569	745	495
	15	1903	925	363	16	2072	976	637
	20	2668	1297	474	21	2727	1277	755
160	10	1322	640	332	11	1794	852	580
	15	2174	1057	430	16	2368	1116	755
	20	3050	1482	562	21	3117	1460	892
180	10	1487	720	363	11	2018	959	626
	15	2446	1189	471	16	2664	1255	822
	20	3431	1668	616	21	3506	1642	972
200	10	1652	800	393	11	2242	1065	676
	15	2718	1321	544	16	2960	1395	947
	20	3812	1853	671	21	3896	1824	1053
220	10	1817	880	449	11	2466	1172	773
	15	2990	1453	626	16	3256	1534	1089
	20	4193	2038	775	21	4286	2007	1217
240	10	1982	960	487	11	2690	1278	831
	15	3262	1585	675	16	3552	1674	1169
	20	4574	2223	837	21	4675	2189	1311
260	10	2148	1040	518	11	2915	1385	883
	15	3533	1717	718	16	3848	1813	1240
	20	4956	2409	891	21	5065	2372	1396
280	10	2313	1120	553	11	3139	1491	935
	15	3805	1849	764	16	4144	1953	1316
	20	5337	2594	951	21	5454	2554	1485
300	10	2478	1200	582	11	3363	1598	986
	15	4077	1981	806	16	4440	2092	1385
	20	5718	2779	1005	21	5844	2736	1567

EN442 output at  
20°C room temperature

Installation in a wall recess is also available in  
heights 70 and 90 cm, see: [www.jaga.com](http://www.jaga.com)

# H040 - INSTALLATION IN A WALL RECESS

BIWW.040 LLL TT

L	STANDARD				TWIN			
	Type	Watts 75/65	Watts 55/45	€	Type	Watts 75/65	Watts 55/45	€
040	10	385	187	132	11	506	241	250
	15	627	306	160	16	680	320	297
	20	878	429	185	21	910	424	307
050	10	482	234	142	11	632	300	270
	15	784	383	176	16	850	400	324
	20	1098	537	206	21	1137	530	342
060	10	578	281	160	11	758	360	292
	15	941	460	193	16	1020	480	352
	20	1318	645	228	21	1364	636	376
070	10	674	328	185	11	885	421	334
	15	1098	537	227	16	1190	560	411
	20	1537	752	272	21	1592	742	441
080	10	770	375	200	11	1011	481	354
	15	1254	613	248	16	1360	639	440
	20	1757	859	296	21	1819	848	475
090	10	867	422	212	11	1138	541	377
	15	1411	690	267	16	1530	719	473
	20	1976	966	321	21	2047	954	511
100	10	963	469	236	11	1264	601	416
	15	1568	766	298	16	1700	799	522
	20	2196	1074	358	21	2274	1060	572
110	10	1059	515	252	11	1390	661	439
	15	1725	843	321	16	1870	879	556
	20	2416	1182	386	21	2501	1166	611
120	10	1156	562	265	11	1517	721	461
	15	1882	920	336	16	2040	959	585
	20	2635	1289	409	21	2729	1272	645
140	10	1348	656	304	11	1770	841	518
	15	2195	1073	389	16	2380	1119	665
	20	3074	1503	498	21	3184	1484	781
160	10	1541	750	354	11	2022	961	603
	15	2509	1226	458	16	2720	1279	783
	20	3514	1718	591	21	3638	1696	922
180	10	1733	843	387	11	2275	1081	653
	15	2822	1379	500	16	3060	1439	854
	20	3953	1933	646	21	4093	1908	1004
200	10	1926	937	424	11	2528	1202	704
	15	3136	1533	578	16	3400	1599	981
	20	4392	2148	703	21	4548	2120	1089
220	10	2119	1031	481	11	2781	1322	805
	15	3450	1686	662	16	3740	1759	1126
	20	4831	2363	810	21	5003	2332	1254
240	10	2311	1124	521	11	3034	1442	866
	15	3763	1839	716	16	4080	1918	1211
	20	5270	2577	878	21	5458	2544	1352
260	10	2504	1218	556	11	3286	1562	921
	15	4077	1993	762	16	4420	2078	1284
	20	5710	2792	934	21	5912	2755	1440
280	10	2696	1312	592	11	3539	1682	976
	15	4390	2146	811	16	4760	2238	1364
	20	6149	3007	998	21	6367	2968	1531
300	10	2889	1406	625	11	3792	1802	1029
	15	4704	2299	856	16	5100	2398	1437
	20	6588	3222	1053	21	6822	3180	1615

Installation in a wall recess is also available in heights 70 and 90 cm, see: [www.jaga.com](http://www.jaga.com)

EN442 output at 20°C room temperature

# INSTALLATION IN A WALL RECESS ■ H 050

## BIWW.050 LLL TT

L	STANDARD				TWIN			
	Type	Watts 75/65	Watts 55/45	€	Type	Watts 75/65	Watts 55/45	€
040	10	430	210	140	11	554	263	258
	15	694	341	169	16	759	356	305
	20	970	477	194	21	1033	479	321
050	10	538	263	153	11	693	330	279
	15	867	426	186	16	949	445	334
	20	1213	597	217	21	1291	599	352
060	10	646	316	168	11	832	396	301
	15	1040	511	206	16	1139	534	365
	20	1455	716	243	21	1549	719	389
070	10	753	368	199	11	970	461	347
	15	1214	597	242	16	1329	624	424
	20	1698	835	287	21	1807	839	457
080	10	861	421	210	11	1109	527	368
	15	1387	682	260	16	1518	712	455
	20	1940	954	310	21	2066	959	492
090	10	968	473	225	11	1247	593	391
	15	1561	768	282	16	1708	801	490
	20	2183	1074	336	21	2324	1079	528
100	10	1076	526	252	11	1386	659	430
	15	1734	853	312	16	1898	891	540
	20	2425	1193	377	21	2582	1198	590
110	10	1184	579	269	11	1525	725	457
	15	1907	938	336	16	2088	980	575
	20	2668	1312	406	21	2840	1318	630
120	10	1291	631	282	11	1663	791	478
	15	2081	1023	354	16	2278	1069	605
	20	2910	1431	428	21	3098	1438	666
140	10	1506	736	326	11	1940	923	540
	15	2428	1194	412	16	2657	1247	688
	20	3395	1670	526	21	3615	1678	807
160	10	1722	842	379	11	2218	1055	626
	15	2774	1364	482	16	3037	1425	810
	20	3880	1908	619	21	4131	1917	950
180	10	1937	947	413	11	2495	1187	681
	15	3121	1535	529	16	3416	1603	883
	20	4365	2147	676	21	4648	2157	1033
200	10	2152	1052	451	11	2772	1318	737
	15	3468	1706	609	16	3796	1781	1013
	20	4850	2385	739	21	5164	2397	1124
220	10	2367	1157	514	11	3049	1450	838
	15	3815	1876	696	16	4176	1959	1159
	20	5335	2624	846	21	5680	2636	1290
240	10	2582	1262	557	11	3326	1582	903
	15	4162	2047	754	16	4555	2137	1249
	20	5820	2862	919	21	6197	2876	1394
260	10	2798	1368	592	11	3604	1714	961
	15	4508	2217	802	16	4935	2316	1326
	20	6305	3101	979	21	6713	3116	1484
280	10	3013	1473	635	11	3881	1846	1018
	15	4855	2388	856	16	5314	2493	1407
	20	6790	3339	1046	21	7230	3356	1577
300	10	3228	1578	668	11	4158	1977	1073
	15	5202	2558	902	16	5694	2672	1482
	20	7275	3578	1103	21	7746	3595	1664

EN442 output at  
20°C room temperature

Installation in a wall recess is also available in  
heights 70 and 90 cm, see: [www.jaga.com](http://www.jaga.com)

# H060 - INSTALLATION IN A WALL RECESS

BIWW.060 LLL TT

L	STANDARD				TWIN			
	Type	Watts 75/65	Watts 55/45	€	Type	Watts 75/65	Watts 55/45	€
040	10	468	230	149	11	598	285	269
	15	746	369	177	16	834	391	312
	20	1043	516	204	21	1153	533	329
050	10	585	287	163	11	747	355	289
	15	933	462	193	16	1042	488	344
	20	1304	645	225	21	1441	666	363
060	10	702	345	181	11	896	426	312
	15	1120	554	217	16	1250	585	376
	20	1565	774	252	21	1729	799	397
070	10	819	402	210	11	1046	498	358
	15	1306	646	253	16	1459	683	435
	20	1826	904	298	21	2017	932	469
080	10	936	460	224	11	1195	569	383
	15	1493	739	272	16	1667	781	467
	20	2086	1032	323	21	2306	1066	504
090	10	1053	517	243	11	1345	640	409
	15	1679	831	296	16	1876	878	502
	20	2347	1161	350	21	2594	1199	542
100	10	1170	575	269	11	1494	711	448
	15	1866	923	329	16	2084	976	555
	20	2608	1291	392	21	2882	1332	604
110	10	1287	632	287	11	1643	782	474
	15	2053	1016	353	16	2292	1073	590
	20	2869	1420	421	21	3170	1465	646
120	10	1404	689	302	11	1793	853	497
	15	2239	1108	374	16	2501	1171	623
	20	3130	1549	446	21	3458	1598	683
140	10	1638	804	350	11	2092	995	564
	15	2612	1293	433	16	2918	1366	709
	20	3651	1807	549	21	4035	1865	830
160	10	1872	919	406	11	2390	1137	654
	15	2986	1478	507	16	3334	1561	833
	20	4173	2065	643	21	4611	2131	973
180	10	2106	1034	442	11	2689	1279	709
	15	3359	1662	556	16	3751	1756	908
	20	4694	2323	702	21	5188	2398	1059
200	10	2340	1149	487	11	2988	1422	770
	15	3732	1847	639	16	4168	1952	1045
	20	5216	2581	768	21	5764	2664	1153
220	10	2574	1264	551	11	3287	1564	873
	15	4105	2031	727	16	4585	2147	1190
	20	5738	2840	879	21	6340	2931	1321
240	10	2808	1379	598	11	3586	1706	945
	15	4478	2216	790	16	5002	2342	1282
	20	6259	3097	952	21	6917	3197	1429
260	10	3042	1494	636	11	3884	1848	1002
	15	4852	2401	839	16	5418	2537	1364
	20	6781	3356	1016	21	7493	3464	1521
280	10	3276	1609	681	11	4183	1990	1064
	15	5225	2586	893	16	5835	2732	1447
	20	7302	3614	1085	21	8070	3730	1619
300	10	3510	1724	717	11	4482	2133	1121
	15	5598	2770	945	16	6252	2928	1524
	20	7824	3872	1145	21	8646	3997	1708

Installation in a wall recess is also available in heights 70 and 90 cm, see: [www.jaga.com](http://www.jaga.com)

EN442 output at 20°C room temperature

# jaga

CLIMATE DESIGNERS

## IGUANA CIRCO WALL

A child's drawing of the sun.

Inspired by a child's drawing, the Iguana Circo is an interpretation of the brightly shining sun, transformed into a fully functional work of art. Iguana has the essential, natural yet light hearted touch that creates a feeling of real warmth in its modern design. It's heating straight from the soul. Iguana Circo was the first "sun radiator". Available as a wall model, freestanding or to assemble around architectural columns.



Top 10  
Design  
Award  
Winner  
2000

ISH 1999  
DESIGN PLUS  
GUTHER-HEINZ-STR. 10  
D-42699 SOLINGEN

IGUANA CIRCO WALL traffic white 333

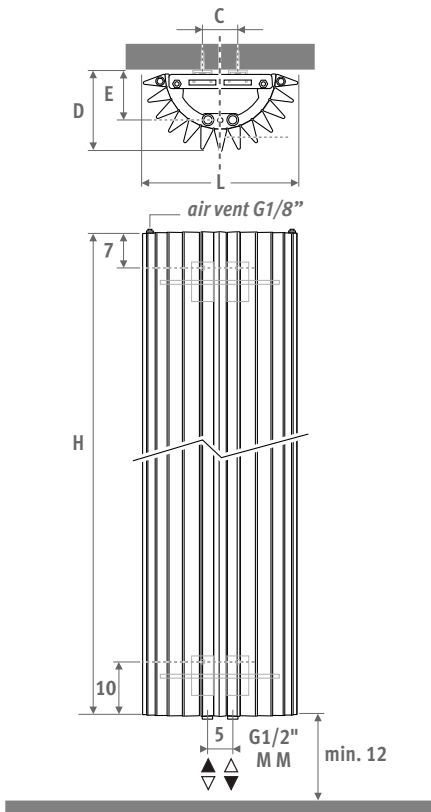




# IGUANA CIRCO WALL

# IGUANA CIRCO WALL

## DIMENSIONS (in cm)



L	C	D	E
27.8	7.4	14.2	7.7
31.3	10.8	15.7	9.6
34.8	14.4	17.7	11.5

## DELIVERY

- central connection MM underneath
- wall fixing
- 2 chrome-plated air vents G1/8"

## COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

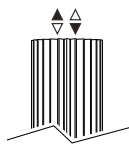
- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic
- off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%

Other colours: see colour chart.

## CONNECTION

Top connection: specify code 45 or 54 instead of MM (1° number is flow).

No insert pipe should be ordered. Provide an air vent on the central heating pipework.



One pipe connection: connection sets 41, 42, 48 or 49. Max. 2 radiators per heating ring.

## CONNECTION SETS

To guarantee the output of the Iguana models and to limit the pressure drop, Jaga recommends the use of 15/1 minimum diameter pipes.

### Connection set to the wall with a Deco-Pro valve

TRV head and sleeve couplings included.



set 48

**BRUSHED STAINLESS STEEL**

€



CODE.PW3.PS.1...

311

set 41

**CHROME**

€



CODE.PW3.AW.1...

131



CODE.PW3.AC.1...

148

fill in sleeve coupling code

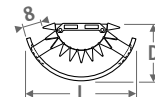
Precision metal tube 15/1	115
Precision metal tube 16/1	116
Precision metal tube 18/1	118
RPE/ALU tube 16/2	316
RPE/ALU tube 18/2	318

### Other connections

See chapter "Connection sets and valves Eyecatchers" for all connection options and technical information

## OPTIONS

### Towel rail / hat rack in chrome-plated aluminium



Hat rack consists of a towel rail and 5 coat hooks

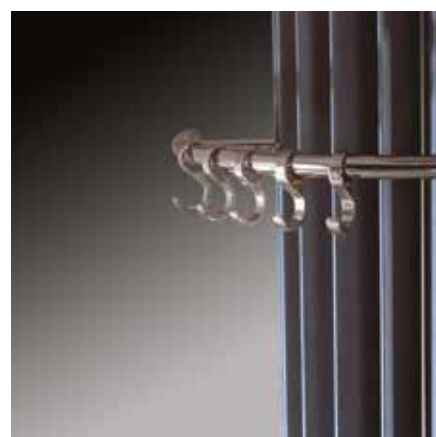
CODE	L rad.	L	D	€
<b>Towel rail</b>				
9087.013427	ø 27	43	22	299
9087.013427	ø 31	43	22	299
9087.013493	ø 34	49	25	299
<b>Hat rack</b>				
9087.014427	ø 27	43	22	342
9087.014427	ø 31	43	22	342
9087.014493	ø 34	49	25	342



## CIRCO WALL

*code*   *height*   *length*   *colour*   *conn.*  
**CIRW . 180 027 . XXX /MM**  
*fill in colour code*  

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 180</b>				
027	801	381	727	873
031	946	450	837	1005
034	1092	520	949	1139
<b>L H 192</b>				
027	854	410	754	906
031	1009	485	872	1045
034	1164	559	989	1186
<b>L H 200</b>				
027	887	429	772	926
031	1048	507	893	1070
034	1209	585	1011	1212
<b>L H 220</b>				
027	961	472	815	980
031	1136	558	944	1132
034	1311	644	1071	1284
<b>L H 240</b>				
027	1024	511	859	1031
031	1210	604	995	1195
034	1397	697	1132	1359



# jaga

CLIMATE DESIGNERS

## IGUANA APLANO

Warmth with a symbolic value. Inspired by a child's drawing, an interpretation of the brightly shining sun, transformed into a fully functional work of art.

With the Iguana Aplano the slim triangular radiant pipes are placed alongside each other in a flat plane. Elegant simplicity with a frivolous touch.

Also available as "Plus" version for low flow temperatures.



Top 10  
Design  
Award  
Winner  
2000

ISH 1999  
DESIGN PLUS  
Sonderausstellung 2000

### IGUANA WITH TOWEL RACK:

combines functionality with a high heat efficiency.

#### IGUANA APLANO

traffic white 333, optional towel rail





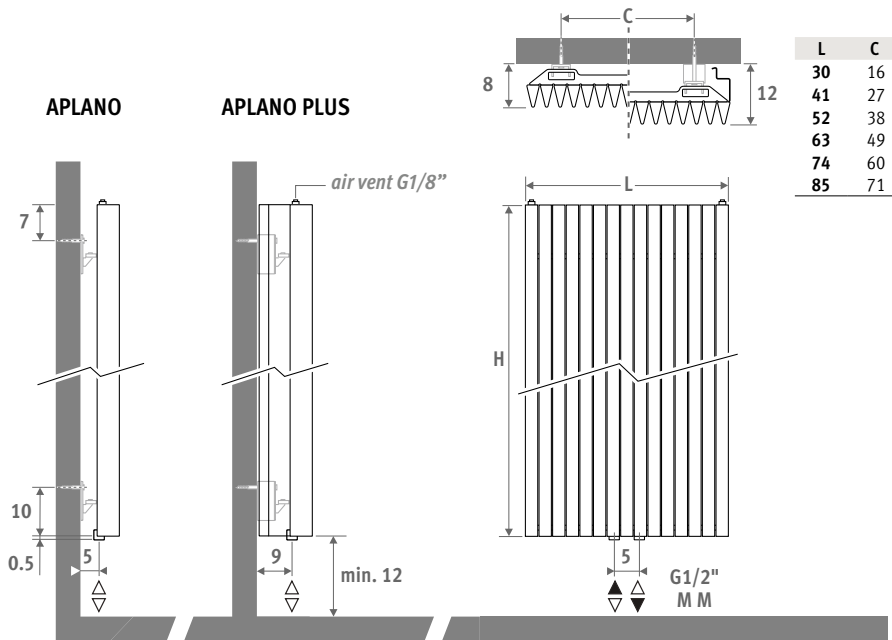
# IGUANA APLANO

# IGUANA APLANO

DIMENSIONS (in cm)



## APLANO APLANO PLUS



L	C
30	16
41	27
52	38
63	49
74	60
85	71

### DELIVERY

- central connection MM underneath
- wall fixing
- 2 chrome-plated air vents G1/8"
- Iguana Plus is supplied with two side panels

### COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

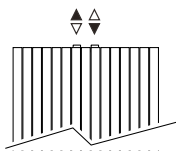
- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic
- off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%

Other colours: see colour chart.

### CONNECTION

Top connection: specify code 45 or 54 instead of MM (1° number is flow).

No insert pipe should be ordered. Provide an air vent on the central heating pipework.



One pipe connection: connection sets 41, 42, 48 or 49. Max. 2 radiators per heating ring.

### CONNECTION SETS

To guarantee the output of the Iguana models and to limit the pressure drop, Jaga recommends the use of 15/1 minimum diameter pipes.

#### Connection set to the wall with a Deco-Pro valve

TRV head and sleeve couplings included.



<b>set 48</b>	<b>BRUSHED STAINLESS STEEL</b>	€
	CODE.PW3.PS.1...	311
<b>set 41</b>	<b>CHROME</b>	€
	CODE.PW3.AW.1...	131
	CODE.PW3.AC.1...	148

fill in sleeve coupling code

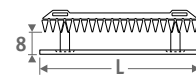
Precision metal tube 15/1	115
Precision metal tube 16/1	116
Precision metal tube 18/1	118
RPE/ALU tube 16/2	316
RPE/ALU tube 18/2	318

#### Other connections:

See chapter "Connection sets and valves Eyecatchers" for all connection options and technical information

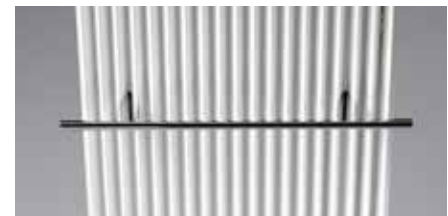
### OPTIONS

#### Towel rail / hat rack in chrome-plated aluminium



Hat rack consists of a towel rail and 5 coat hooks

CODE	L	L radiator	€
<b>Towel rail</b>			
9087.033560	56	41-52-63-74-85	299
9087.033660	66	63-74-85	299



CODE	L	L radiator	€
<b>Hat rack</b>			
9087.034560	56	41-52-63-74-85	342
9087.034660	66	63-74-85	342



## APLANO

code height length colour conn.  
APLW . 180 030 . XXX /MM  
fill in colour code \_\_\_\_\_

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 180</b>				
030	700	349	662	793
041	954	476	862	1034
052	1208	603	1068	1280
063	1463	730	1268	1522
074	1717	857	1470	1764
085	1972	984	1672	2008
<b>L H 192</b>				
030	733	366	687	825
041	999	499	897	1077
052	1265	632	1108	1329
063	1532	766	1320	1583
074	1798	899	1529	1834
085	2065	1032	1741	2088
<b>L H 200</b>				
030	754	377	702	843
041	1028	515	919	1105
052	1302	652	1136	1364
063	1576	789	1350	1622
074	1850	926	1569	1883
085	2124	1063	1786	2143
<b>L H 220</b>				
030	804	403	742	891
041	1097	551	973	1168
052	1389	697	1205	1445
063	1681	844	1438	1725
074	1974	991	1670	2001
085	2266	1137	1902	2281
<b>L H 240</b>				
030	851	428	782	940
041	1161	584	1029	1236
052	1471	740	1277	1529
063	1780	896	1522	1826
074	2090	1052	1770	2122
085	2399	1208	2015	2417

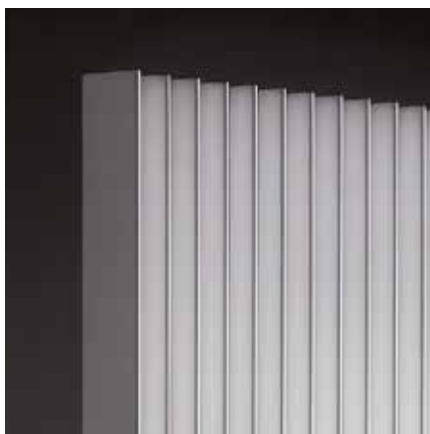
## IGUANA APLANO

### APLANO PLUS

code height length colour conn.  
APPW . 180 030 . XXX /MM  
fill in colour code \_\_\_\_\_

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 180</b>				
030	964	461	859	1030
041	1314	628	1121	1346
052	1664	795	1385	1662
063	2015	963	1649	1977
074	2365	1131	1910	2294
085	2716	1298	2175	2609
<b>L H 192</b>				
030	997	476	893	1071
041	1359	649	1167	1400
052	1721	822	1440	1726
063	2084	996	1713	2057
074	2446	1169	1989	2387
085	2809	1342	2263	2715
<b>L H 200</b>				
030	1018	486	910	1095
041	1388	663	1195	1432
052	1758	840	1475	1774
063	2128	1017	1758	2109
074	2498	1194	2040	2450
085	2868	1370	2323	2788
<b>L H 220</b>				
030	1070	511	965	1158
041	1460	697	1265	1518
052	1849	883	1567	1881
063	2238	1069	1870	2242
074	2627	1255	2169	2604
085	3016	1440	2472	2966
<b>L H 240</b>				
030	1121	535	1017	1219
041	1529	729	1337	1606
052	1936	924	1657	1989
063	2344	1118	1977	2374
074	2751	1312	2300	2760
085	3159	1507	2621	3144

EN442 output at 20°C room temperature



# jaga

CLIMATE DESIGNERS

## IGUANA ARCO & VISIO

Warmth with a symbolic value. Inspired by a child's drawing, an interpretation of the brightly shining sun, transformed into a fully functional work of art.

With the Iguana Arco and Visio the slim triangular radiant pipes are built with a slight curve, giving the Iguana a new look from any angle.

The Iguana Visio's many functions have been expanded by the addition of a mirror. Perfect for halls or bedrooms.

Also available as "Plus" version for low flow temperatures.



Top 10  
Design  
Award  
Winner  
2000

ISH 1999  
DESIGN PLUS  
DAILY HEATING NEWS

IGUANA VISIO aluminium 006, optional towel rail





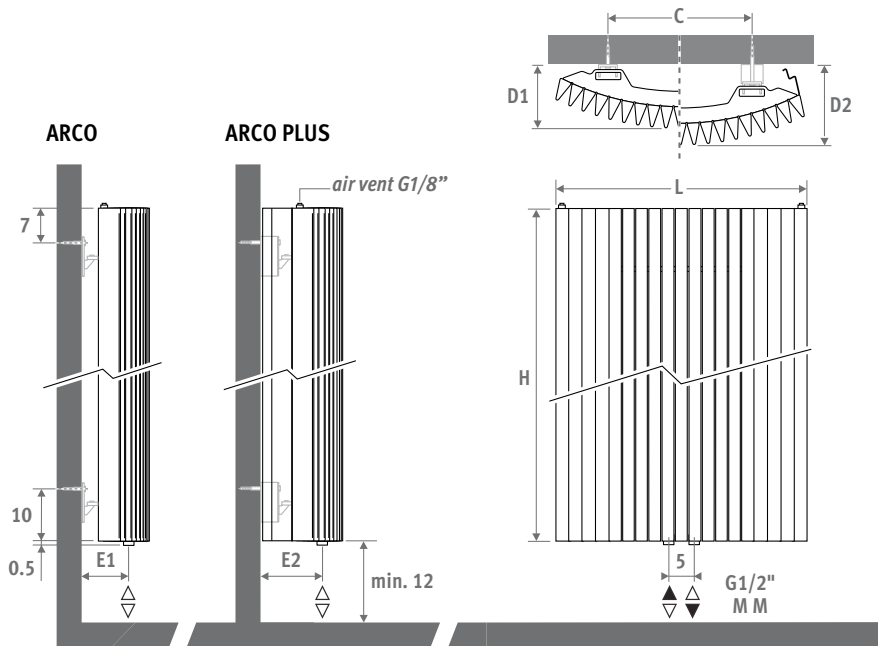
# IGUANA ARCO & VISIO

# IGUANA ARCO

DIMENSIONS (in cm)



## ARCO ARCO PLUS



L	C	D1	D2	E1	E2
29.8	10	10.1	14.1	4.1	8.1
41.0	20	11.1	16.1	5.1	10.1
51.9	30	12.7	17.7	6.7	11.7
62.5	40	12.2	17.2	6.2	11.2
73.3	50	13.7	18.7	7.7	12.7
83.9	60	15.7	20.7	9.7	14.7

### DELIVERY

- central connection MM underneath
- wall fixing
- 2 chrome-plated air vents G1/8"
- Iguana Plus is supplied with two side panels

### COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

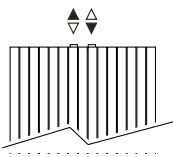
- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic
- off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%

Other colours: see colour chart.

### CONNECTION

Top connection: specify code 45 or 54 instead of MM (1° number is flow).

No insert pipe should be ordered. Provide an air vent on the central heating pipework.



One pipe connection: connection sets 41, 42, 48 or 49. Max. 2 radiators per heating ring.

### CONNECTION SETS

To guarantee the output of the Iguana models and to limit the pressure drop, Jaga recommends the use of 15/1 minimum diameter pipes.

#### Connection set to the wall with a Deco-Pro valve

TRV head and sleeve couplings included.



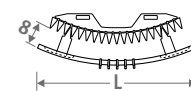
set	DESCRIPTION	€
48	<b>BRUSHED STAINLESS STEEL</b>	€
	CODE.PW3.PS.1...	311
41	<b>CHROME</b>	€
	CODE.PW3.AW.1...	131
	CODE.PW3.AC.1...	148
<i>fill in sleeve coupling code</i>		
	Precision metal tube 15/1	115
	Precision metal tube 16/1	116
	Precision metal tube 18/1	118
	RPE/ALU tube 16/2	316
	RPE/ALU tube 18/2	318

#### Other connections

See chapter "Connection sets and valves Eyecatchers" for all connection options and technical information

### OPTIONS

#### Towel rail / hat rack in chrome-plated aluminium



Hat rack consists of a towel rail and 5 coat hooks

CODE	L	L radiator	€
<b>Towel rail</b>			
9087.023550	55	41-51	299
9087.023656	66	62-73-83	299
<b>Hat rack</b>			
9087.024550	55	41-51	342
9087.024656	66	62-73-83	342



#### IGUANA WITH TOWEL RACK:

combines functionality with a high heat efficiency.

CODE	L	L radiator	€
<b>Hat rack</b>			
9087.024550	55	41-51	342
9087.024656	66	62-73-83	342





# IGUANA ARCO

## ARCO

code	height	length	colour	conn.
ARCW .	180	029 .	XXX	/MM
fill in colour code _____				

	Watts		€	€
	75/65	55/45	st. colour	other
<b>L H 180</b>				
029	791	394	694	833
041	1079	538	906	1086
051	1366	681	1119	1344
062	1654	824	1333	1598
073	1941	967	1545	1854
083	2229	1111	1756	2107

	Watts		€	€
	75/65	55/45	st. colour	other
<b>L H 192</b>				
029	813	406	720	863
041	1109	554	943	1131
051	1404	701	1163	1394
062	1700	849	1384	1660
073	1995	996	1607	1928
083	2291	1144	1827	2194

	Watts		€	€
	75/65	55/45	st. colour	other
<b>L H 200</b>				
029	826	413	738	883
041	1127	564	966	1159
051	1427	714	1194	1431
062	1727	864	1420	1704
073	2028	1014	1648	1976
083	2328	1164	1875	2251

	Watts		€	€
	75/65	55/45	st. colour	other
<b>L H 220</b>				
029	858	431	780	935
041	1170	587	1023	1228
051	1482	744	1265	1519
062	1794	900	1511	1811
073	2106	1057	1754	2103
083	2418	1213	1996	2396

	Watts		€	€
	75/65	55/45	st. colour	other
<b>L H 240</b>				
029	886	446	821	988
041	1208	608	1079	1297
051	1530	770	1339	1608
062	1852	932	1598	1917
073	2174	1094	1858	2229
083	2496	1256	2115	2539

## ARCO PLUS

code	height	length	colour	conn.
ARPW .	180	029 .	XXX	/MM
fill in colour code _____				

	Watts		€	€
	75/65	55/45	st. colour	other
<b>L H 180</b>				
029	999	492	903	1083
041	1362	670	1178	1415
051	1725	849	1456	1746
062	2088	1027	1733	2078
073	2452	1207	2008	2408
083	2815	1385	2283	2739

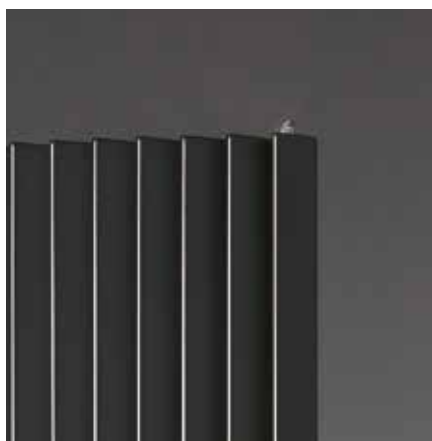
	Watts		€	€
	75/65	55/45	st. colour	other
<b>L H 192</b>				
029	1046	516	939	1124
041	1427	704	1226	1470
051	1807	892	1512	1813
062	2187	1080	1800	2161
073	2568	1268	2088	2506
083	2948	1455	2376	2852

	Watts		€	€
	75/65	55/45	st. colour	other
<b>L H 200</b>				
029	1076	532	958	1151
041	1467	726	1255	1506
051	1858	919	1551	1861
062	2249	1112	1846	2215
073	2641	1306	2141	2571
083	3032	1500	2438	2928

	Watts		€	€
	75/65	55/45	st. colour	other
<b>L H 220</b>				
029	1146	569	1014	1215
041	1563	777	1329	1595
051	1980	984	1644	1974
062	2397	1191	1963	2355
073	2813	1398	2278	2734
083	3230	1605	2594	3114

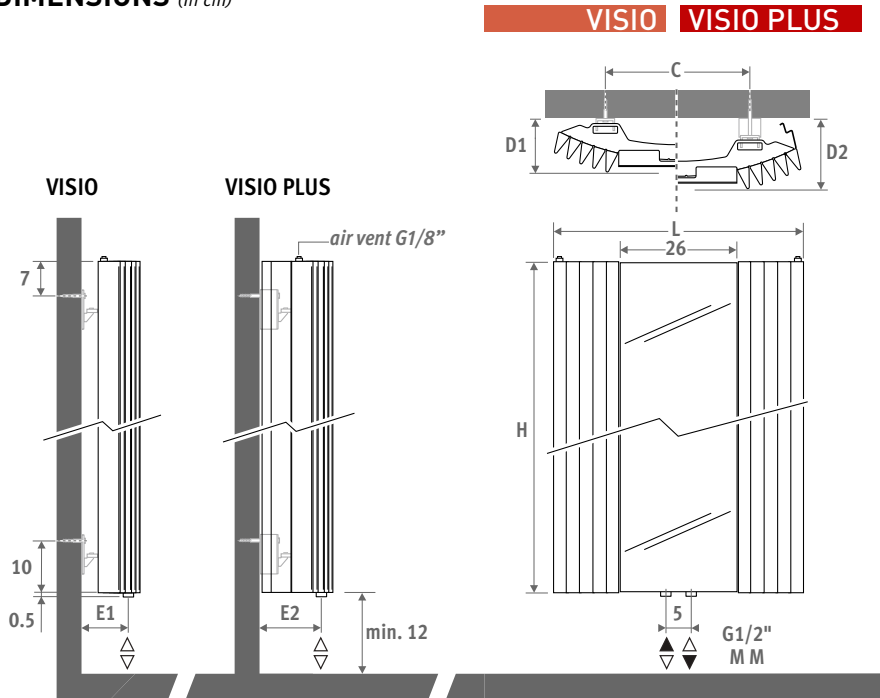
	Watts		€	€
	75/65	55/45	st. colour	other
<b>L H 240</b>				
029	1210	604	1069	1282
041	1650	824	1406	1686
051	2090	1043	1741	2090
062	2530	1263	2078	2493
073	2970	1483	2414	2898
083	3410	1702	2751	3299

EN442 output at 20°C room temperature



# IGUANA VISIO

DIMENSIONS (in cm)



L	C	D1	D2	E1	E2
51.9	30	10.5	15.5	6.7	11.7
62.5	40	11.0	16.0	6.2	11.2
73.3	50	12.5	17.5	7.7	12.7

## DELIVERY

- central connection MM underneath
- wall fixing
- 2 chrome-plated air vents G1/8"
- Iguana Plus is supplied with two side panels

## COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

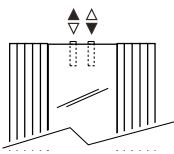
Standard colours:

- traffic white RAL 9016 (333), smooth satin matt
  - sandblast grey (001), fine texture metallic
  - off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%
- Other colours: see colour chart.

## CONNECTION

Top connection: specify code 45 or 54 instead of MM (1° number is flow).

No insert pipe should be ordered. Provide an air vent on the central heating pipework.



One pipe connection: connection sets 41, 42, 48 or 49. Max. 2 radiators per heating ring.

## CONNECTION SETS

To guarantee the output of the Iguana models and to limit the pressure drop, Jaga recommends the use of 15/1 minimum diameter pipes.

### Connection set to the wall with a Deco-Pro valve

TRV head and sleeve couplings included.



set	DESCRIPTION	€
48	BRUSHED STAINLESS STEEL	€
	CODE.PW3.PS.1...	311
41	CHROME	€
	CODE.PW3.AW.1...	131
	CODE.PW3.AC.1...	148

fill in sleeve coupling code

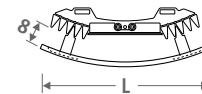
Precision metal tube 15/1	115
Precision metal tube 16/1	116
Precision metal tube 18/1	118
RPE/ALU tube 16/2	316
RPE/ALU tube 18/2	318

### Other connections

See chapter "Connection sets and valves Eyecatchers" for all connection options and technical information

## OPTIONS

### Towel rail / hat rack in chrome-plated aluminium



Hat rack consists of a towel rail and 5 coat hooks

CODE	L	L radiator	€
<b>Towel rail</b>			
9087.023550	55	51	299
9087.023656	66	62-73	299
<b>Hat rack</b>			
9087.024550	55	51	342
9087.024656	66	62-73	342



### IGUANA WITH TOWEL RACK:

combines functionality with a high heat efficiency.

CODE	L	L radiator	€
<b>Hat rack</b>			
9087.024550	55	41-51	342
9087.024656	66	62-73-83	342





40% more warmth

## VISIO

code	height	length	colour	conn.
<b>VISW .</b>	<b>180</b>	<b>051 .</b>	<b>XXX</b>	<b>/MM</b>
fill in colour code _____				

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 180</b>				
<b>051</b>	719	357	<b>963</b>	<b>1155</b>
<b>062</b>	1007	502	<b>1147</b>	<b>1378</b>
<b>073</b>	1294	645	<b>1317</b>	<b>1580</b>
<b>L H 200</b>				
<b>051</b>	751	376	<b>1021</b>	<b>1221</b>
<b>062</b>	1051	526	<b>1219</b>	<b>1466</b>
<b>073</b>	1352	676	<b>1404</b>	<b>1684</b>
<b>L H 220</b>				
<b>051</b>	780	391	<b>1078</b>	<b>1296</b>
<b>062</b>	1092	548	<b>1295</b>	<b>1553</b>
<b>073</b>	1404	705	<b>1488</b>	<b>1786</b>

## IGUANA VISIO

### VISIO PLUS

code	height	length	colour	conn.
<b>VIPW .</b>	<b>180</b>	<b>051 .</b>	<b>XXX</b>	<b>/MM</b>
fill in colour code _____				

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 180</b>				
<b>051</b>	908	447	<b>1251</b>	<b>1500</b>
<b>062</b>	1271	625	<b>1493</b>	<b>1789</b>
<b>073</b>	1634	804	<b>1712</b>	<b>2055</b>
<b>L H 200</b>				
<b>051</b>	978	484	<b>1327</b>	<b>1592</b>
<b>062</b>	1369	677	<b>1587</b>	<b>1905</b>
<b>073</b>	1760	871	<b>1824</b>	<b>2188</b>
<b>L H 220</b>				
<b>051</b>	1042	518	<b>1403</b>	<b>1684</b>
<b>062</b>	1459	725	<b>1682</b>	<b>2018</b>
<b>073</b>	1876	932	<b>1937</b>	<b>2324</b>

EN442 output at 20°C room temperature



# jaga

CLIMATE DESIGNERS

## IGUANA CORNER

Warmth with a symbolic value. Inspired by a child's drawing, an interpretation of the brightly shining sun, transformed into a fully functional work of art.

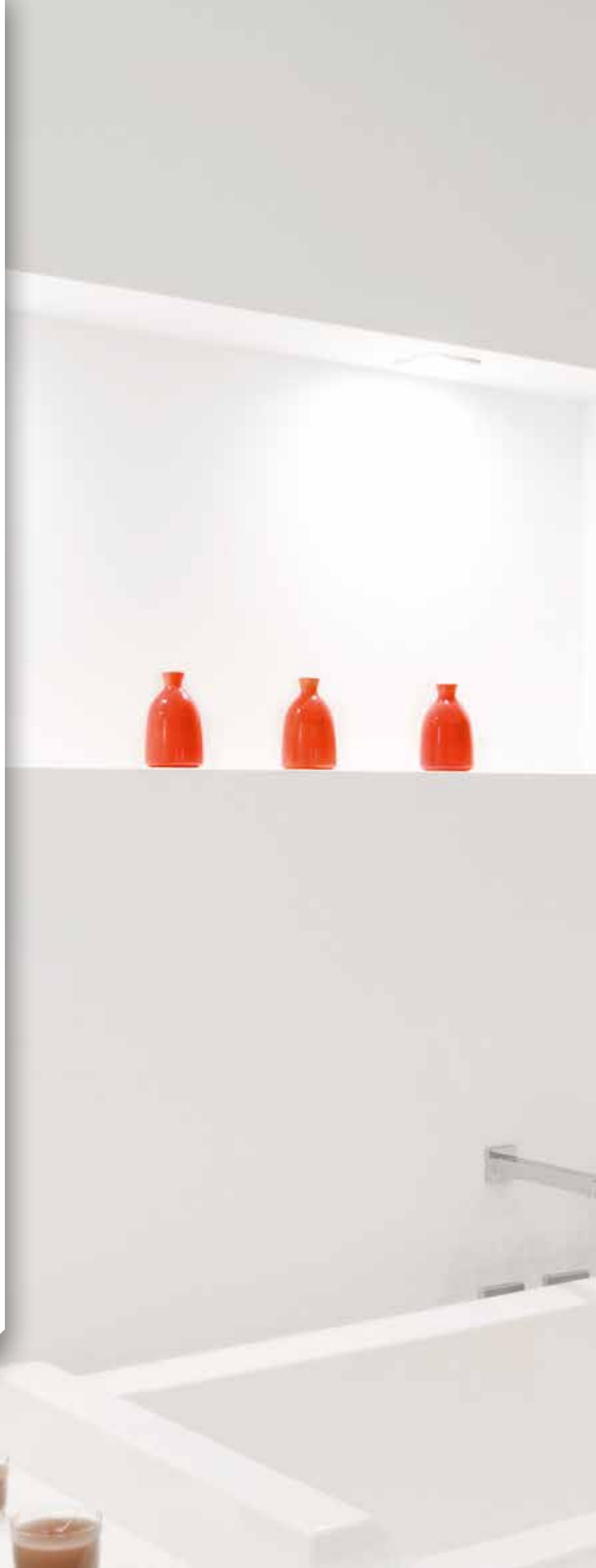
The only thing the Iguana Corner needs to provide heat: a quiet little corner. Also available in heights 125 and 150 cm, specially designed for installation above the bathtub.

Also available as "Plus" version for low flow temperatures.



Top 10  
Design  
Award  
Winner  
2000

ISH 1999  
DESIGN PLUS  
Good Heating Idea



IGUANA CORNER traffic white 333, optional towel rail



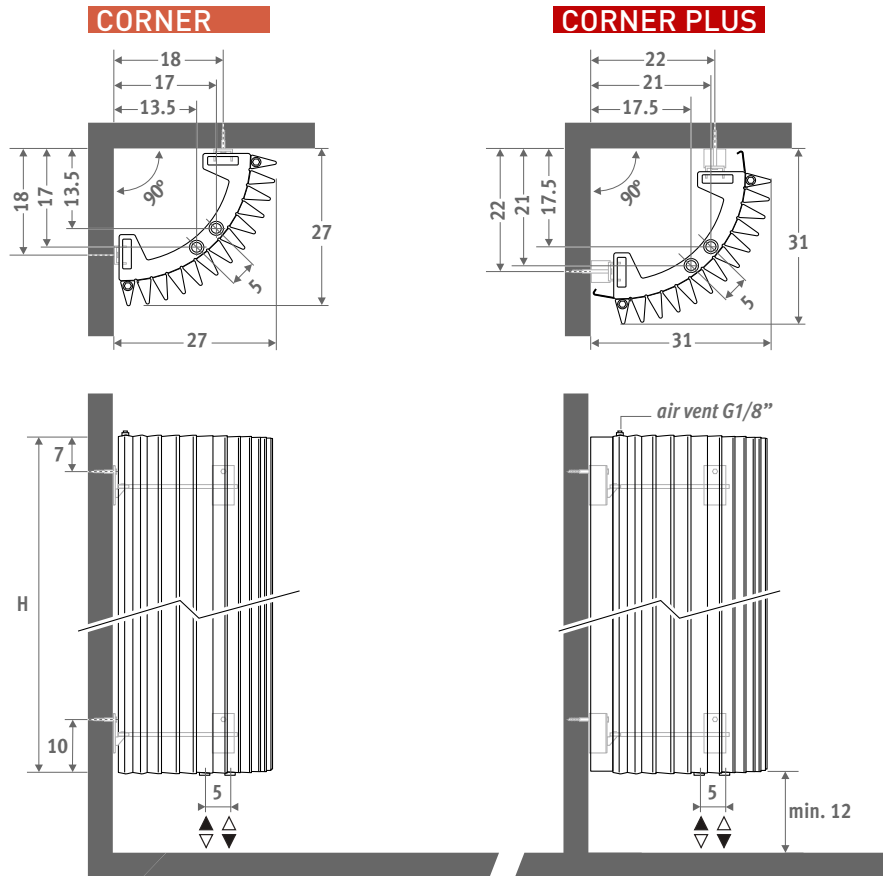


# IGUANA CORNER

# IGUANA CORNER



## DIMENSIONS (in cm)



### DELIVERY

- central connection MM underneath
- wall fixing
- 2 chrome-plated air vents G1/8"
- Iguana Plus is supplied with two side panels

### COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

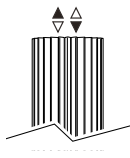
Standard colours:

- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic
- off-black RAL 7021 (145) Soft touch: finely textured matte look, gloss degree < 10%

Other colours: see colour chart.

### CONNECTION

Top connection:  
specify code 45 or 54 instead of MM (1° number is flow).  
No insert pipe should be ordered. Provide an air vent on the central heating pipework.



One pipe connection:  
connection sets 41, 42, 48 or 49.  
Max. 2 radiators per heating ring.

### CONNECTION SETS

To guarantee the output of the Iguana models and to limit the pressure drop, Jaga recommends the use of 15/1 minimum diameter pipes.

#### Connection set to the wall with a Deco-Pro valve

TRV head and sleeve couplings included.



Set	Material	Price (€)
48	BRUSHED STAINLESS STEEL	€
	CODE.PW3.PS.1...	311
41	CHROME	€
	CODE.PW3.AW.1...	131
	CODE.PW3.AC.1...	148

*fill in sleeve coupling code*

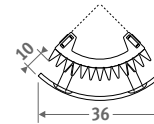
Precision metal tube 15/1	115
Precision metal tube 16/1	116
Precision metal tube 18/1	118
RPE/ALU tube 16/2	316
RPE/ALU tube 18/2	318

#### Other connections:

See chapter "Connection sets and valves Eyecatchers" for all connection options and technical information

### OPTIONS

#### Towel rail / hat rack in chrome-plated aluminium



Hat rack consists of a towel rail and 5 coat hooks

CODE	Price (€)
Towel rail	
9087.043466	299



**IGUANA WITH TOWEL RACK:**  
combines functionality with a high heat efficiency.

CODE	L	L radiator	Price (€)
Hat rack			
9087.044466			342



*Iguana+*  
COLLECTION  
40% more warmth

**CORNER**

code	height	length	colour	conn.
<b>CORW .</b>	<b>125</b>	<b>027 .</b>	<b>XXX</b>	<b>/MM</b>
		fill in colour code —		

L	H	Watts		€	
		75/65	55/45	st. colour	other
027	125	723	331	997	1196
	150	834	381	1023	1228
	180	967	439	1096	1317
	192	1021	463	1139	1368
	200	1058	479	1166	1398
	220	1149	519	1235	1481
	240	1242	559	1305	1567

**IGUANA CORNER**

**CORNER PLUS**

code	height	length	colour	conn.
<b>COPW .</b>	<b>125</b>	<b>031 .</b>	<b>XXX</b>	<b>/MM</b>
		fill in colour code —		

L	H	Watts		€	
		75/65	55/45	st. colour	other
031	125	860	433	1297	1556
	150	990	497	1329	1595
	180	1145	572	1426	1711
	192	1207	602	1481	1777
	200	1249	622	1516	1819
	220	1352	672	1604	1926
	240	1458	723	1696	2038

EN442 output at 20°C room temperature



# jaga

CLIMATE DESIGNERS

## IGUANA ANGULA PLUS

Warmth with a symbolic value. Inspired by a child's drawing, an interpretation of the brightly shining sun, transformed into a fully functional work of art.

A radiator around the corner. Great capacity in a small space. A special solution, both energy-wise and aesthetically!



Top 10  
Design  
Award  
Winner  
2000

ISH 1999  
DESIGN PLUS  
Award Winner 2001

IGUANA ANGULA traffic white 333







IGUANA ANGUOLA PLUS

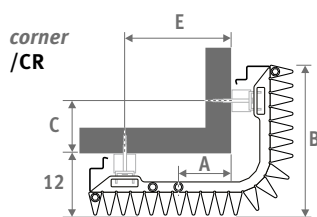


# IGUANA ANGULA PLUS

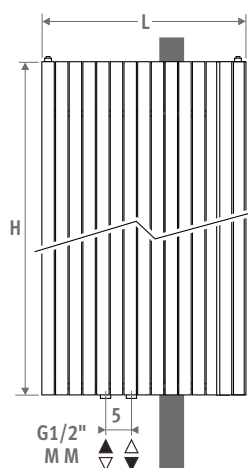
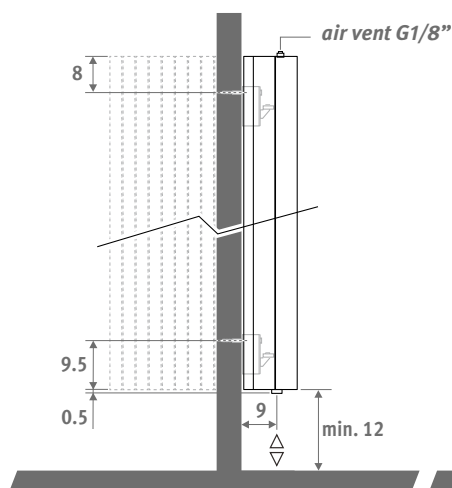
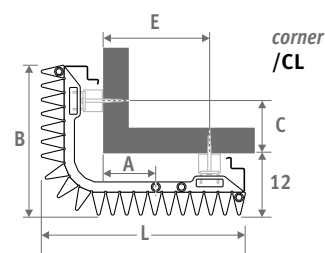
DIMENSIONS (in cm)



## ANGULA PLUS / CR



## ANGULA PLUS / CL



L	A	B	C	E
40.0	10.5	29.0	10.0	21.0
45.5	13.0	34.5	15.5	26.5
51.0	16.0	40.0	21.0	32.0

## DELIVERY

- central connection MM underneath
- wall fixing
- 2 chrome-plated air vents G1/8"
- 2 side panels

## COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

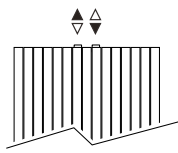
- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic
- off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%

Other colours: see colour chart.

## CONNECTION

Top connection: specify code 45 or 54 instead of MM (1° number is flow).

No insert pipe should be ordered. Provide an air vent on the central heating pipework.



One pipe connection: connection sets 41, 42, 48 or 49.  
Max. 2 radiators per heating ring.



## CONNECTION SETS

To guarantee the output of the Iguana models and to limit the pressure drop, Jaga recommends the use of 15/1 minimum diameter pipes.

### Connection set to the wall with a Deco-Pro valve

TRV head and sleeve couplings included.



<b>set 48</b>	<b>BRUSHED STAINLESS STEEL</b>	€
	CODE.PW3.PS.1...	311
<b>set 41</b>	<b>CHROME</b>	€
	CODE.PW3.AW.1...	131
	CODE.PW3.AC.1...	148

fill in sleeve coupling code

Precision metal tube 15/1	115
Precision metal tube 16/1	116
Precision metal tube 18/1	118
RPE/ALU tube 16/2	316
RPE/ALU tube 18/2	318

### Other connections:

See chapter "Connection sets and valves Eyecatchers" for all connection options and technical information

*Iguana+*  
COLLECTION  
40% more warmth

# IGUANA ANGULA PLUS

code	height	length	colour	conn.	corner
ANPW .	180	040 .	XXX /MM /XX		
		fill in colour code	└─┘		┌─┘
			CL or CR		

	Watts 75/65	Watts 55/45	€ st. colour	€ other
--	----------------	----------------	-----------------	------------

## L H 180

040	1745	866	1648	1976
046	2078	1032	1917	2301
051	2410	1196	2186	2625

## L H 192

040	1823	911	1753	2103
046	2170	1084	2018	2422
051	2517	1257	2285	2741

## L H 220

040	1978	1002	1953	2346
046	2355	1193	2236	2682
051	2732	1385	2518	3021

## L H 240

040	2066	1058	2060	2473
046	2460	1260	2358	2829
051	2854	1461	2655	3187

EN442 output at 20°C room temperature

# jaga

CLIMATE DESIGNERS

## TETRA

Square perfection

The Tetra from Jaga joins a series of chunky square heating elements together into one stylish radiator. Together they emit an incredible amount of heat. Rock solid Jaga quality with a light touch.

TETRA traffic white 333

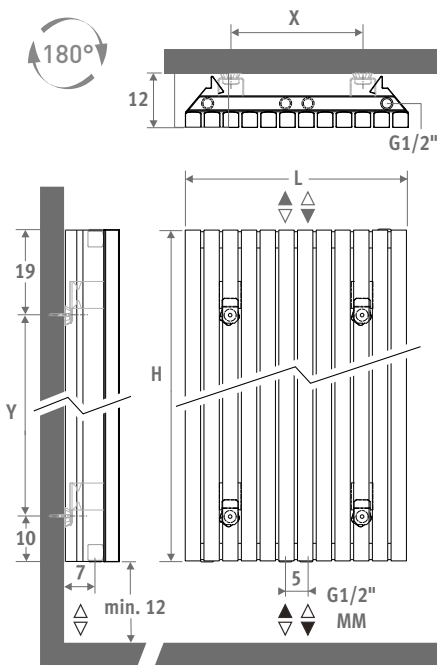




TETRA



## DIMENSIONS (in cm)



## DELIVERY

- central connection MM underneath
- wall fixing
- chrome-plated air vent and drain plug G1/2"
- 2 side panels

## COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

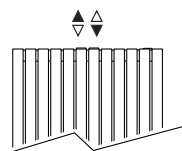
- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic
- off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%

Other colours: see colour chart.

## CONNECTION

Standard connection:  
central connection (code MM)

Tetra is symmetrical and can be mounted either way up.



One pipe connection:

connection sets 41, 42, 48 or 49  
Max. 2 radiators per heating ring.

## CONNECTION SETS

### Connection to the wall with Deco-Pro valve

TRV head and sleeve couplings included.



set	DESCRIPTION	€
48	<b>BRUSHED STAINLESS STEEL</b>	
	CODE.PW3.PS.1...	311
41	<b>CHROME</b>	
	CODE.PW3.AW.1...	131
	CODE.PW3.AC.1...	148
<i>fill in sleeve coupling code</i>		
	Precision metal tube 15/1	115
	Precision metal tube 16/1	116
	Precision metal tube 18/1	118
	RPE/ALU tube 16/2	316
	RPE/ALU tube 18/2	318

### Other connection sets and sleeve couplings

See chapter "Connection sets and valves" for all connection options and technical information

code	height	length	colour	conn.
TETW .	180	033 .	XXX	/MM
<i>fill in colour code</i>				

	Watts 75/65	Watts 55/45	€ st. colour	€ other
--	----------------	----------------	-----------------	------------

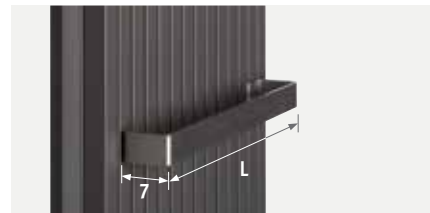
L	H 180			
033	984	513	1031	1239
041	1230	641	1220	1467
050	1476	770	1483	1781
058	1722	898	1700	2041
067	1986	1036	1964	2357

L	H 200			
033	1120	578	1109	1330
041	1400	722	1311	1574
050	1680	867	1595	1913
058	1960	1011	1829	2195
067	2240	1156	2112	2536

EN442 output at 20°C room temperature  
EN 442

## OPTIONS

### Towel rail in stainless steel



CODE	L	min. L radiator	€
9042.03329.011	33	33	210
9042.03413.011	41	41	210
9042.03497.011	50	50	210
9042.03581.011	58	58	210
9042.03665.011	67	67	210

### Towel rack in stainless steel



CODE	L	min. L radiator	€
9042.04329.011	33	33	312
9042.04413.011	41	41	312
9042.04497.011	50	50	312
9042.04581.011	58	58	312
9042.04665.011	67	67	312

# jaga

CLIMATE DESIGNERS

## PANEL PLUS

Elegant simplicity and power

Streamlined, elegant design. The Panel Plus can be fitted as a wall mounted radiator, but Jaga also offers a super compact, solid skirting model or horizontal version ! The simple design of the Panel Plus radiator with its hidden rear collectors provides an elegant simplicity that oozes quality.

Horizontal version: see p. 68.  
Freestanding version: see p. 156.

**PANEL PLUS VERTICAL** traffic white 333





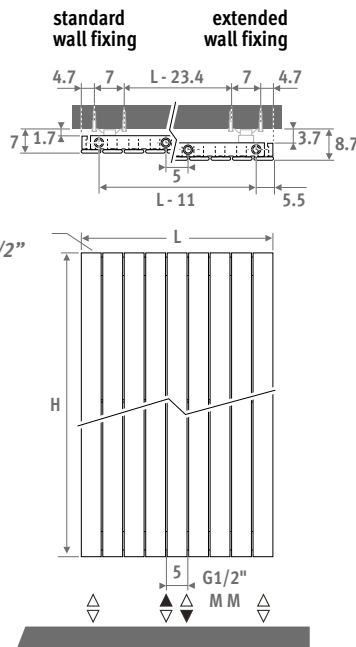
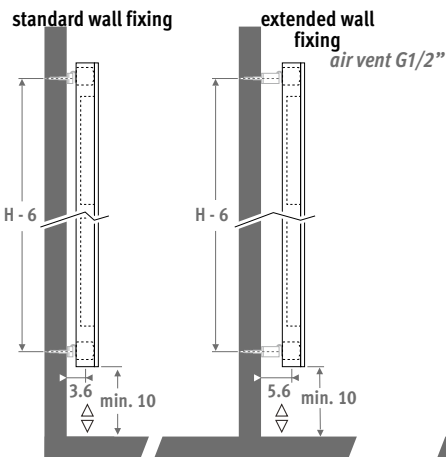


PANEL PLUS 



## DIMENSIONS (in cm)

- standard connection
- variant



## DELIVERY

- universal central connection MM and 18/81 underneath
- standard and extended wall fixings included
- chrome-plated air vent and 3 drain plugs G1/2"

## COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic
- off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%

Other colours: see colour chart.

## CONNECTION

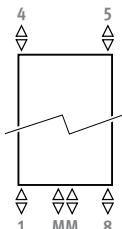
Code:

1° number = flow

2° number = return

Standard connection:

Universal central connection at the bottom, code MM, flow left or right. Connection 18 or 81 at the bottom is also possible with code MM.



Top connection (no surcharge): enter code 45 or 54, provide an air vent on the central heating pipework.

## CONNECTION SETS

### Connection to the wall with Deco-Pro valve

TRV head and sleeve couplings included.



set	DESCRIPTION	€
48	<b>BRUSHED STAINLESS STEEL</b>	
	CODE.PW3.PS.1...	311
41	<b>CHROME</b>	
	CODE.PW3.AW.1...	131
	CODE.PW3.AC.1...	148

fill in sleeve coupling code

Precision metal tube 15/1	115
Precision metal tube 16/1	116
Precision metal tube 18/1	118
RPE/ALU tube 16/2	316
RPE/ALU tube 18/2	318

### Other connections:

See chapter "Connection sets and valves Eyecatchers" for all connection options and technical information

code height length colour conn.  
**PPVW . 180 024 . XXX /MM**  
 fill in colour code —

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 180</b>				
024	584	294	561	671
031	730	368	686	822
037	875	441	812	976
043	1021	514	941	1129
050	1167	588	1068	1280
056	1313	662	1194	1431
062	1459	735	1324	1588
069	1605	809	1407	1687
075	1751	882	1490	1787
081	1897	956	1572	1888
087	2043	1030	1658	1990
094	2189	1103	1739	2086
<b>L H 200</b>				
024	644	326	593	714
031	805	408	731	879
037	965	489	872	1044
043	1126	570	1009	1211
050	1287	652	1147	1377
056	1448	733	1285	1544
062	1609	815	1428	1712
069	1770	897	1516	1820
075	1931	978	1606	1927
081	2092	1060	1695	2036
087	2253	1141	1783	2140
094	2414	1223	1872	2247
<b>L H 220</b>				
024	700	356	631	755
031	876	446	777	932
037	1051	535	928	1114
043	1226	624	1076	1293
050	1401	713	1226	1470
056	1576	802	1377	1651
062	1751	892	1528	1833
069	1926	981	1628	1951
075	2101	1070	1720	2064
081	2276	1159	1819	2181
087	2451	1248	1912	2295
094	2627	1338	2009	2411
<b>L H 240</b>				
024	754	386	666	801
031	943	482	826	990
037	1131	579	986	1183
043	1320	675	1147	1377
050	1508	771	1306	1569
056	1697	868	1467	1761
062	1885	964	1632	1956
069	2074	1061	1734	2081
075	2262	1157	1833	2202
081	2451	1254	1937	2324
087	2639	1350	2039	2447
094	2828	1447	2139	2567

EN442 output at 20°C room temperature

Horizontal version: see p. 68  
 Freestanding version: see p. 156

# jaga

CLIMATE DESIGNERS

## DECO SPACE

Striking and timeless

True beauty is timeless. Deco is the classic design radiator with a high heat output and a simple design. Can be incorporated smoothly into any interior, modern or classic.





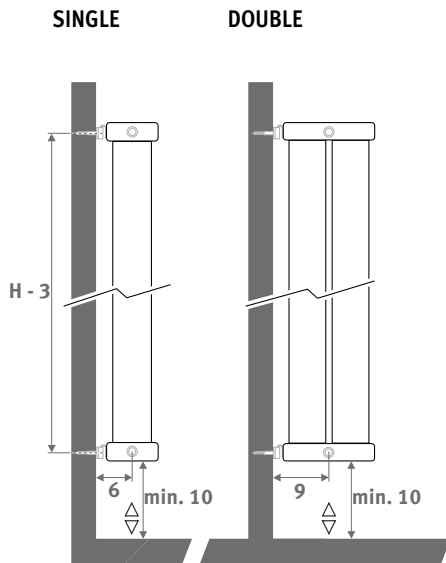
DECO SPACE

# DECO SPACE

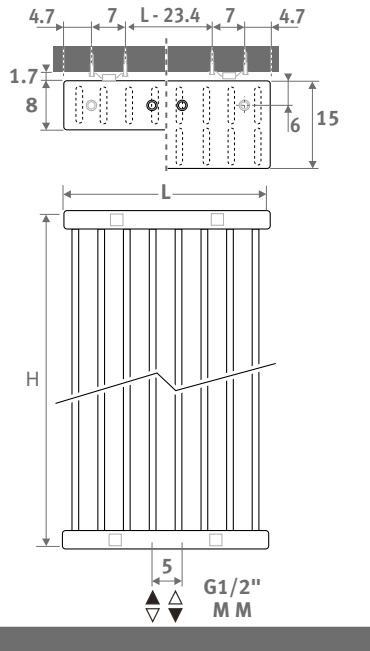
DIMENSIONS (in cm)



- standard connection
- variant



## SINGLE      DOUBLE



### DELIVERY

- central connection MM underneath
- wall fixing
- chrome-plated air vent and drain plug G1/2"

### COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

- traffic white RAL 9016 (333), smooth satin matt
  - sandblast grey (001), fine texture metallic
  - off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%
- Other colours: see colour chart.

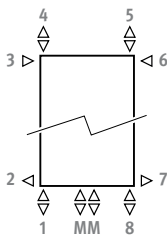
### CONNECTION

Code:

- 1° number = flow
- 2° number = return

Standard connection:

central connection MM below or on top, flow left or right.



Other connections (no surcharge):

- bottom connection: enter code 18 or 81
- top connection: enter code 45 or 54
- side connection: specify 32, 67, 41 or 58 instead of MM. Code 32 or 67 not suitable for the perpendicular to the wall model (SVSS/SVDS)!
- cross-over connection: enter code 51 or 48

### CONNECTION SETS

Connection to the wall with Deco-Pro valve

TRV head and sleeve couplings included.



<b>set 48</b>	<b>BRUSHED STAINLESS STEEL</b>	€
	CODE.PW3.PS.1...	<b>311</b>
<b>set 41</b>	<b>CHROME</b>	€
	CODE.PW3.AW.1...	<b>131</b>
	CODE.PW3.AC.1...	<b>148</b>
<i>fill in sleeve coupling code</i>		
	Precision metal tube 15/1	<b>115</b>
	Precision metal tube 16/1	<b>116</b>
	Precision metal tube 18/1	<b>118</b>
	RPE/ALU tube 16/2	<b>316</b>
	RPE/ALU tube 18/2	<b>318</b>

### Other connections:

See chapter "Connection sets and valves Eyecatchers" for all connection options and technical information

# SINGLE

# DOUBLE

code	height	length	colour	conn.
<b>SVSW .</b>	<b>180</b>	<b>032 .</b>	<b>XXX</b>	<b>/MM</b>
fill in colour code—				

code	height	length	colour	conn.
<b>SVDW .</b>	<b>180</b>	<b>032 .</b>	<b>XXX</b>	<b>/MM</b>
fill in colour code—				

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 180</b>				
032	884	454	696	836
040	1105	567	845	1013
048	1326	680	993	1193
056	1547	794	1139	1368
064	1768	907	1285	1544
072	1989	1021	1433	1722
080	2210	1134	1580	1897
096	2652	1361	1873	2249

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 180</b>				
032	1418	711	1393	1672
040	1772	888	1687	2026
048	2126	1066	1988	2384
056	2481	1244	2279	2734
064	2835	1421	2571	3083
072	3190	1599	2868	3442
080	3544	1777	3161	3793
096	4253	2132	3748	4497

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 192</b>				
032	939	483	725	869
040	1174	603	879	1053
048	1409	724	1030	1237
056	1644	845	1184	1421
064	1878	965	1337	1606
072	2113	1086	1493	1788
080	2348	1207	1644	1973
096	2818	1448	1951	2342

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 192</b>				
032	1500	752	1449	1738
040	1875	940	1756	2107
048	2250	1128	2062	2474
056	2625	1316	2370	2844
064	3000	1504	2677	3211
072	3375	1692	2982	3579
080	3750	1880	3290	3947
096	4500	2256	3902	4682

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 200</b>				
032	976	502	742	891
040	1220	627	901	1079
048	1464	753	1057	1268
056	1708	878	1214	1457
064	1952	1004	1372	1644
072	2196	1129	1528	1833
080	2440	1255	1686	2023
096	2928	1506	2003	2405

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 200</b>				
032	1554	779	1483	1781
040	1943	975	1800	2161
048	2332	1170	2115	2539
056	2720	1364	2428	2913
064	3109	1559	2743	3292
072	3497	1754	3059	3670
080	3886	1949	3375	4049
096	4663	2339	4009	4810

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 220</b>				
032	1066	550	787	943
040	1332	687	951	1142
048	1598	824	1121	1346
056	1865	961	1292	1550
064	2131	1099	1459	1748
072	2398	1236	1629	1952
080	2664	1373	1796	2154
096	3197	1648	2133	2558

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 220</b>				
032	1690	848	1571	1885
040	2112	1059	1905	2286
048	2534	1271	2242	2690
056	2957	1483	2583	3101
064	3379	1695	2914	3498
072	3802	1907	3254	3904
080	4224	2119	3591	4309
096	5069	2542	4265	5116

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 240</b>				
032	1153	596	828	993
040	1441	744	1005	1206
048	1729	893	1186	1423
056	2017	1042	1367	1638
064	2306	1191	1546	1855
072	2594	1340	1723	2065
080	2882	1489	1903	2284
096	3458	1786	2261	2713

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 240</b>				
032	1823	915	1657	1989
040	2279	1144	2011	2412
048	2735	1373	2372	2848
056	3191	1601	2730	3277
064	3646	1830	3091	3709
072	4102	2059	3443	4133
080	4558	2287	3808	4569
096	5470	2745	4522	5428

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 260</b>				
032	1237	641	869	1043
040	1546	801	1062	1273
048	1855	961	1251	1502
056	2164	1121	1440	1728
064	2474	1281	1632	1956
072	2783	1441	1821	2185
080	3092	1601	2012	2413
096	3710	1921	2391	2869

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 260</b>				
032	1954	981	1738	2085
040	2443	1226	2121	2545
048	2932	1471	2500	2999
056	3420	1716	2880	3457
064	3909	1962	3258	3911
072	4397	2207	3641	4368
080	4886	2452	4021	4826
096	5863	2942	4782	5740

Deco Space is available from height 120 cm up to 300 cm and from length 32 cm up to 120 cm. See: [www.jaga.com](http://www.jaga.com)

EN442 output at 20°C room temperature

# jaga

CLIMATE DESIGNERS

## TOWEL RADIATORS

Warmth is comfort, affection, feeling good. Especially in your bathroom: the room where you get to escape from the world, to create a total feeling of well-being and security. Or in the kitchen, where you not only work and eat, but where you really live and enjoy the things that make you feel good, such as a dry, warm towel.







# TOWEL RADIATORS





IGUANA ARCO



TETRA



IGUANA APLANO



IGUANA VISIO



IGUANA CIRCO / CORNER



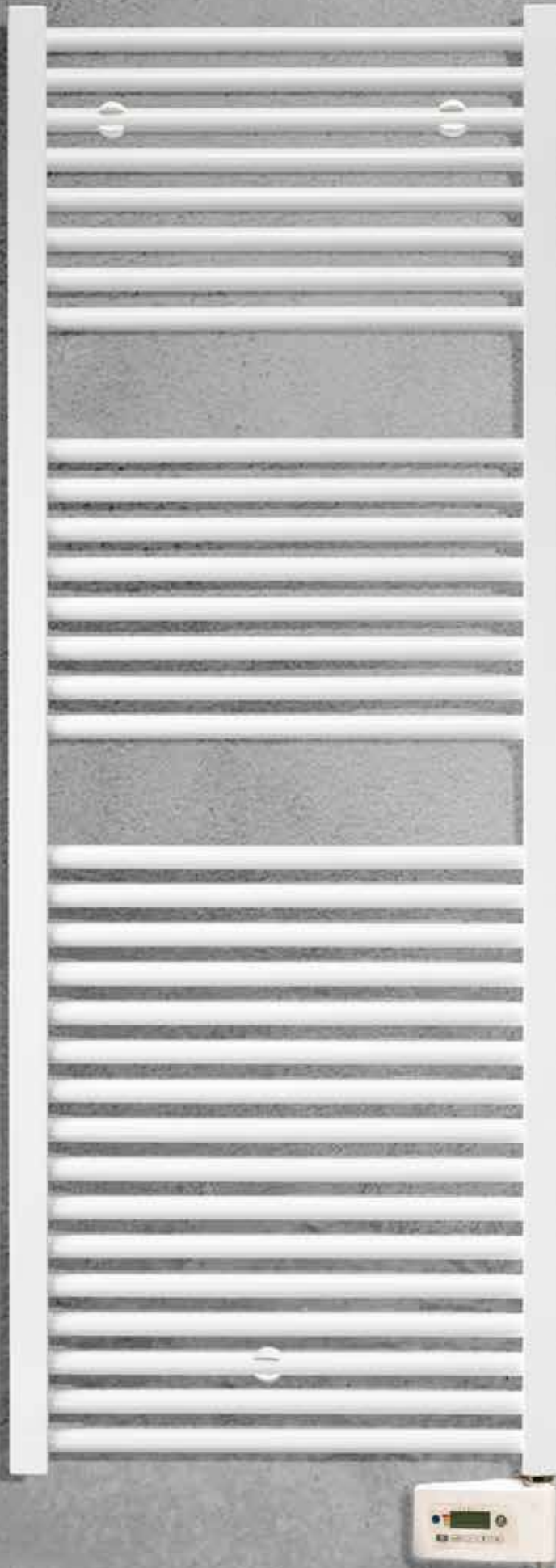
LINEA PLUS



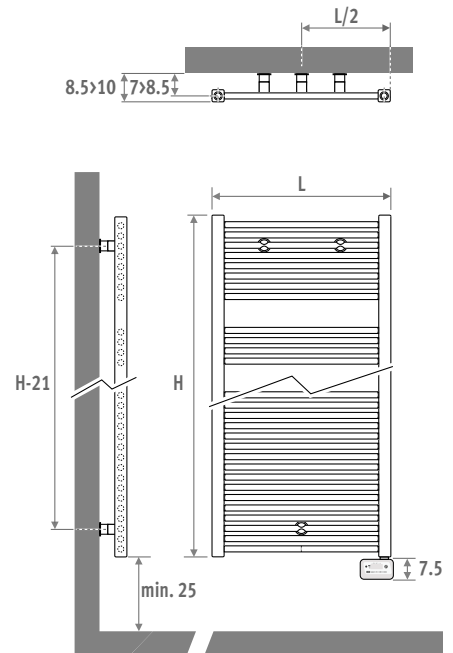
STRADA

## HORIZONTAL AND VERTICAL RADIATORS WITH TOWEL RAILS

As well as the towel radiators in this section, you can specify towel rails as an option on a variety of Jaga radiators. Combine functionality with beautiful designs and high heat outputs with low water temperature.



## DIMENSIONS (in cm)



## DELIVERY

- White plastic mounting set for easy wall mounting
- Round, horizontal radiant tubes  $\varnothing$  22 mm
- Vertical steel, square heating collectors 35 mm x 35 mm
- Integrated electrical resistor with mountable controller
- White cable 1.2 m with molded plug
- Pre-filled with heating fluid

## COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

- traffic white RAL 9016 (233), smooth glossy finish

## SPECIFICATIONS

- Maximum operating temperature: 110°C
- Voltage: 230V at 50Hz
- Electrical safety class IP 44 splash-proof, suitable for zone A
- isolation class II
- Temperature preset at 19°C, adjustable from +7°C to +30°C

# SANI ELECTRIC

## EASY TO SET

The smart Sani Electric has a user-friendly menu with preset programming profiles for each day of the week. These can easily be adjusted to your needs on the sloping interface with the large keys.

- 5 operating modes: Auto (Program), Boost, Comfort, Eco (economy mode), Frost protection, Standby
- 5 programming profiles
- Manual and temporary cancellation of a program
- Sound-indications when operating
- Keyboard lock for children

**Infrared remote control available as an option.**

## ENERGY EFFICIENT OPERATION

The digital Ecodesign control ensures a stable and accurate temperature and is equipped with all possible energy-saving options.

- Electronic temperature measurement and control
- Open window detection
- Frost protection
- Indication of the current energy consumption by using energy labels A/B/C
- Display of the amount of energy used in kwh/ 24h or since the last reset.
- Automatic switch-off of the boost function, programmable for up to 90 minutes.



**ECOdesign 2018**  
compliant

code	height	length	colour
SEDW . 093	040 . 050	040 . 050	233

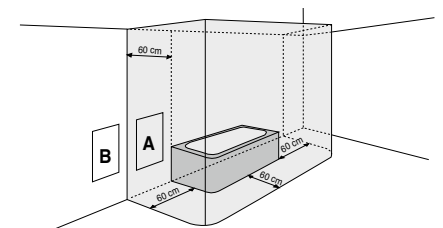
	Watt	€
<b>L H 093</b>		
040	300	783
050	500	799
<b>L H 122</b>		
040	500	873
050	750	893
<b>L H 137</b>		
040	500	928
050	750	951
060	1000	991
<b>L H 175</b>		
040	750	1082
050	1000	1111
060	1000	1157
<b>L H 205</b>		
060	1250	1328

## OPTION REMOTE CONTROL



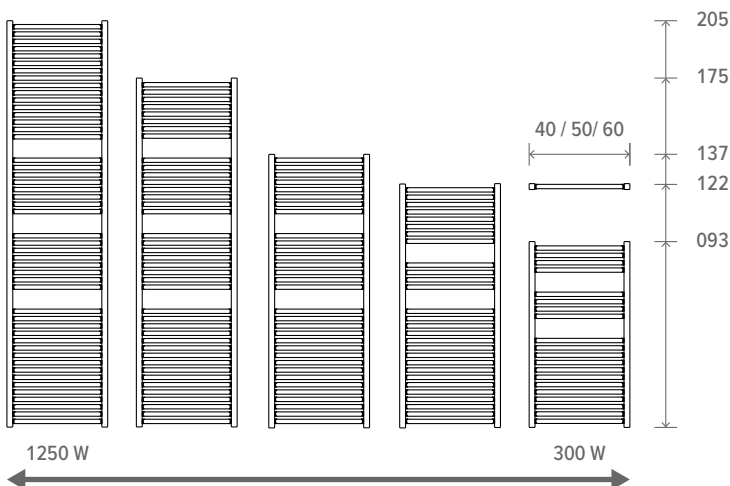
CODE	€
9096.020101	53

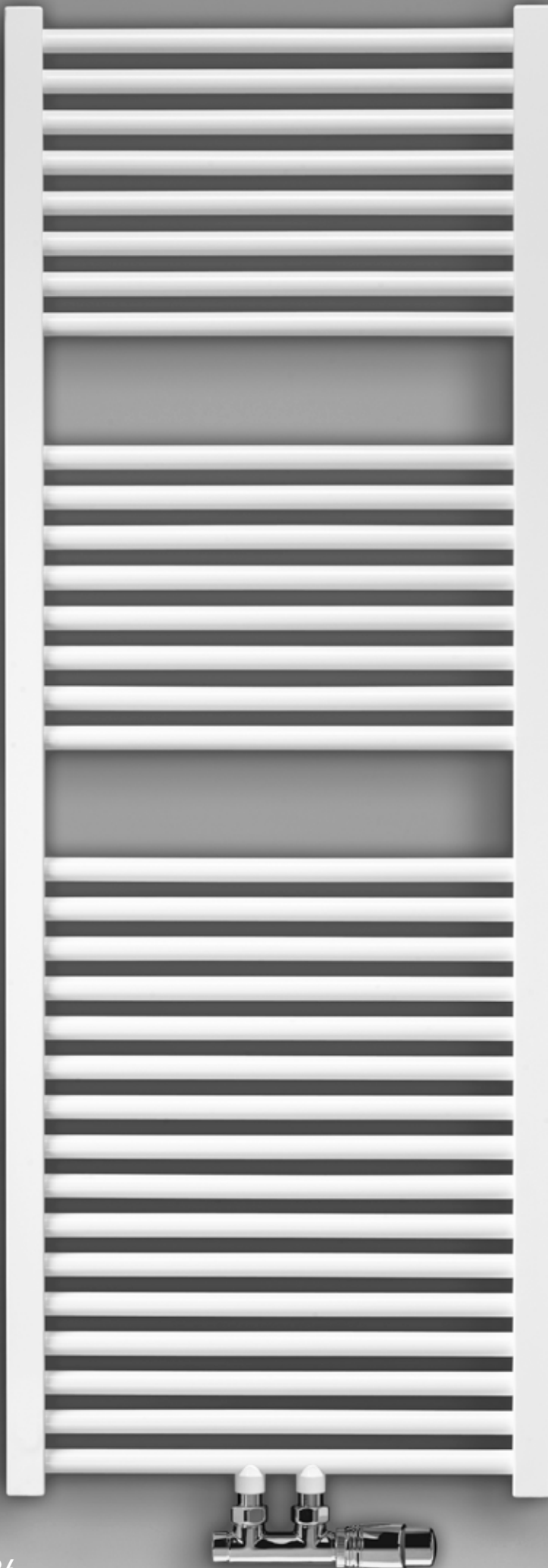
## LOCATION OF THE ELECTRIC HEATING UNIT IN THE BATHROOM



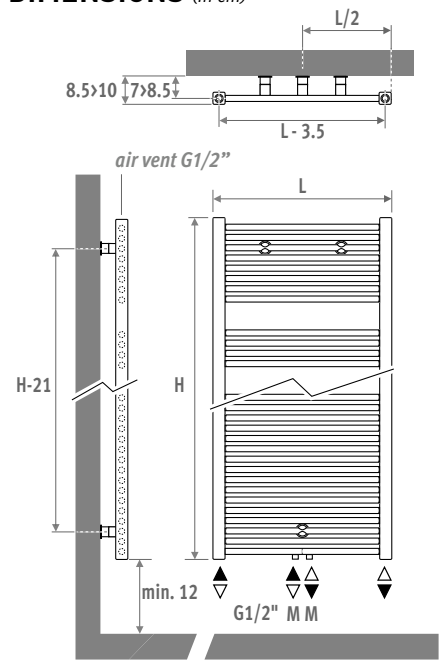
An electrical radiator with insulation class II may be placed in zone A. In bathrooms and kitchens the socket outlet (never a plug contact) has to be placed at a minimum height of 25cm above the floor. The radiator may never be installed lower than the adapter socket outlet. A fused spare has to be used outside the room.

In zone B, an electric radiator of insulation class II may be connected to the electricity grid via a plug contact that is placed in zone B. The appliance must be mounted and connected by an acknowledge installer in accordance with the installation instructions and national and currently applicable local regulations.





## DIMENSIONS (in cm)



## DELIVERY

- central connection MM underneath
- wall fixing
- chrome-plated air vent and 3 drain plugs G1/2"

## COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

- traffic white RAL 9016 (233), smooth glossy finish
- sandblast grey (001), fine texture metallic

Other colours: see colour chart.

## CONNECTION

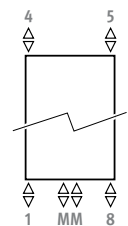
Code:

1° number = flow

2° number = return

Standard connection:

- central connection MM below or on top, flow left or right. Connection 18 or 81 is also possible



Other connections:

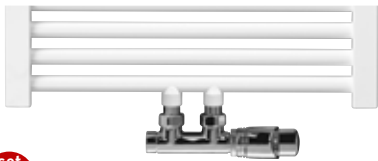
When assigning a different connection code MM will be removed (no surcharge - extended delivery time).




- top connection: enter code 45 or 54. Insert pipe included. Has to be mounted in the return. Always mount an air vent on the central heating pipework.
- side connection: enter code 41 or 58
- single point connection: see chapter "Connection set & Valves" - set 81 or 82. Not possible with a radiator on feet.
- one pipe connection with code MM and connection set 41 or 42.
- electric heating element and mixed application: see "Parts & Options"

## CONNECTION SETS

### Connection set to the wall with a Deco-Pro valve

TRV head and sleeve couplings included.



<b>set 48</b>	<b>BRUSHED STAINLESS STEEL</b>	€
	CODE.PW3.PS.1...	311
<b>set 41</b>	<b>CHROME</b>	€
	CODE.PW3.AW.1...	131
	CODE.PW3.AC.1...	148
<i>fill in sleeve coupling code</i>		
	Precision metal tube 15/1	115
	Precision metal tube 16/1	116
	Precision metal tube 18/1	118
	RPE/ALU tube 16/2	316
	RPE/ALU tube 18/2	318

### Other connection sets and sleeve couplings

See chapter "Connection sets and valves Eyecatchers" for all connection options and technical information.

# SANI RONDA

code height length colour conn.  
**SROW . 063 040 . XXX /MM**  
*fill in colour code —*

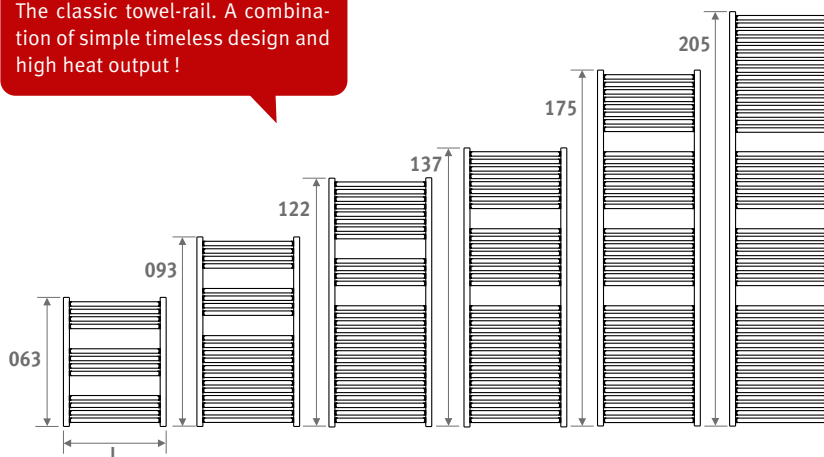
	Watts	Watts	€	€
	75/65	55/45	st. colour	other
<b>L H 093</b>				
050	494	255	709	852
060	581	299	758	908
<b>L H 122</b>				
040	546	281	782	940
050	665	341	804	965
060	784	402	838	1005
<b>L H 137</b>				
040	617	316	838	1005
050	752	385	862	1034
060	887	453	901	1079
070	1022	522	940	1126
<b>L H 175</b>				
040	766	389	992	1191
050	931	473	1023	1228
060	1097	558	1069	1281
070	1262	642	1119	1344
080	1428	726	1171	1407
<b>L H 205</b>				
060	1314	665	1239	1485
070	1509	764	1305	1568
080	1705	864	1375	1649

EN442 output at 20°C room temperature



For electric element see p. 378

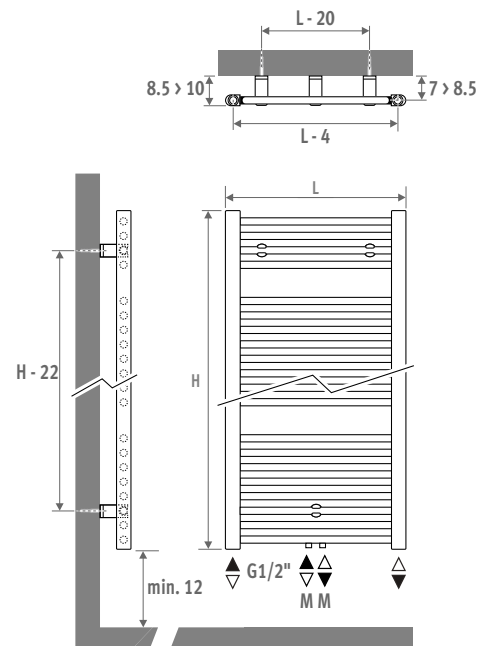
The classic towel-rail. A combination of simple timeless design and high heat output!





## DIMENSIONS (in cm)

### BASIC



## DELIVERY

- central connection MM underneath and 18/81 below
- wall fixing
- chrome-plated air vent and 3 drain plugs G1/2"

## COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colour:

- traffic white RAL 9016 (233), smooth glossy finish

## CONNECTION

Code:

1° number = flow

2° number = return

Standard connection:

- central connection MM below or on top, flow left or right. Connection 18 or 81 is also possible.

- single point connection: see chapter "Connection set & Valves" - set 81 or 82.

- one pipe connection with code MM and connection set 41 or 42.

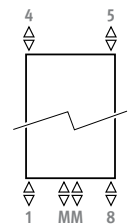
Other connections (no surcharge):

When assigning a different connection code MM will still continue to exist.

- top connection: enter code 45 or 54. Insert pipe included. Has to be mounted in the return.

Always mount an air vent on the central heating pipework.

- electric heating element and mixed application: see "Parts & Options"

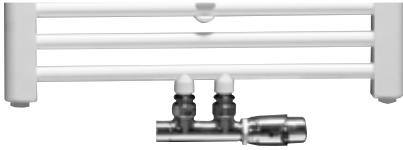





## CONNECTION SETS

### Connection set to the wall with a Deco-Pro valve


TRV head and sleeve couplings included.




**set 48**  
**BRUSHED STAINLESS STEEL** €

 CODE.PW3.PS.1... 311

**set 41**  
**CHROME** €

 CODE.PW3.AW.1... 131

 CODE.PW3.AC.1... 148

fill in sleeve coupling code

Precision metal tube 15/1 115  
 Precision metal tube 16/1 116  
 Precision metal tube 18/1 118  
 RPE/ALU tube 16/2 316  
 RPE/ALU tube 18/2 318

### Other connection sets and sleeve couplings

See chapter "Connection sets and valves Eyecatchers" for all connection options and technical information.



For electric element see p. 378

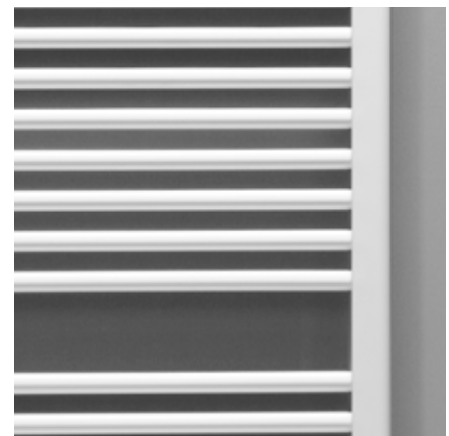
# SANI BASIC

## BASIC

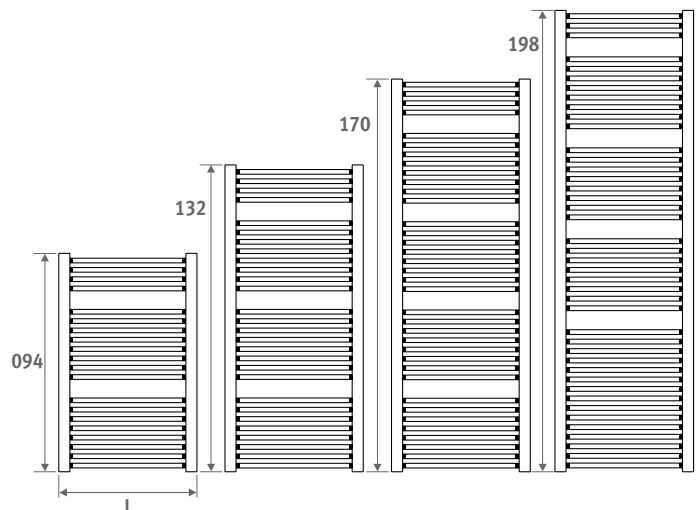
code height length colour conn.  
**SBAW . 094 050 . XXX /MM**  
 fill in colour code —

	Watts 75/65	Watts 55/45	€ st. colour
<b>L H 094</b>			
050	427	223	599
<b>L H 132</b>			
050	605	315	732
060	706	368	772
<b>L H 170</b>			
050	775	402	868
060	906	472	910
<b>L H 198</b>			
060	1081	563	1023
075	1317	689	1109

EN442 output at 20°C room temperature



SANI BASIC



# jaga

CLIMATE DESIGNERS

## MIKADO

The universal towel rail

Mikado is a universal towel holder with countless options. Mount Mikado in front of a vertical heating unit or above a horizontal heating unit and you will end up with a handy towel drying rack. Or attach Mikado to bathroom or kitchen furniture or simply to the wall. Due to its countless playful combination possibilities, Mikado can be perfectly integrated into any interior. Be inspired by the many creative possibilities!

against the wall...



above a radiator...



Or for a heating  
unit...



# REST AND WELLNESS IN EVERY ROOM

The natural look of the Mikado and the serene simplicity of its design evoke feelings of peace and wellness in every room. The most striking is the slender wooden stick in maple, oak or walnut. This was inspired by the eponymous game.





# MIX AND MATCH USE YOUR IMAGINATION

The brackets are made of extruded aluminium and are available in four finishes: satin-matt lacquered white, anodised aluminium natural colour, and brushed stainless steel look or chrome. These are available in three different lengths. So, we offer the optimal distance between towel rail and wall or radiator in all situations. The Mikado wooden stick is available in two lengths and in maple, oak or walnut. For the length 55 cm option, a single wall bracket is sufficient. It can be placed in any desired position, both at the end and in the middle of the stick. For the stick of length 85 cm, two wall brackets are required.

## STICK + BRACKET

### MAPLE

L	€	Ordering code
LENGTH 55:	33	MIKB. 002 055 00 /760
LENGTH 85	33	MIKB. 002 085 00 /760

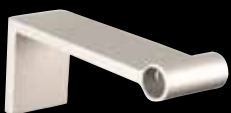
### EIK

L	€	Ordering code
LENGTH	33	MIKB. 002 055 00 /700
LENGTH	33	MIKB. 002 085 00 /700

### NOTELAAR

L	€	Ordering code
LENGTH	33	MIKB. 002 055 00 /780
LENGTH	33	MIKB. 002 085 00 /780

To guarantee shape retention, the wooden poles are treated in 3 steps to protect them against moisture and heat.



### SATIN-MATT LACQUERED WHITE

RAL 9016

T	€	Ordering code
TYPE 09:	163	MIKH. 008 005 09 /333
TYPE 16:	163	MIKH. 008 005 16 /333
TYPE 20:	163	MIKH. 008 005 20 /333

Other colors on request

### BRUSHED STAINLESS STEEL LOOK

T	€	Ordering code
TYPE 09:	163	MIKH. 008 005 09 /BSL
TYPE 16:	163	MIKH. 008 005 16 /BSL
TYPE 20:	163	MIKH. 008 005 20 /BSL

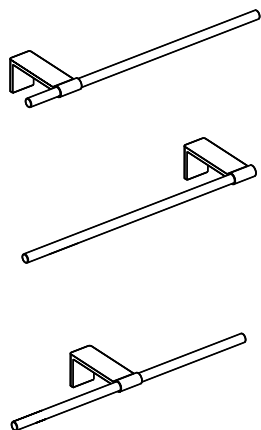
### CHROME

T	€	Ordering code
TYPE 09:	163	MIKH. 008 005 09 /009
TYPE 16:	163	MIKH. 008 005 16 /009
TYPE 20:	163	MIKH. 008 005 20 /009

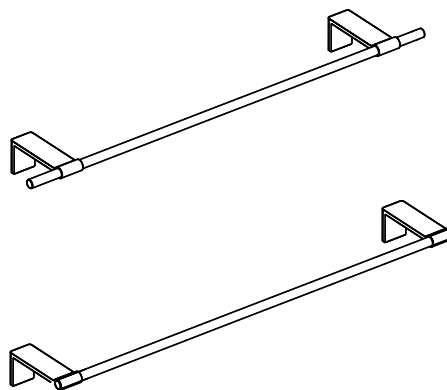
### ANODISED ALUMINIUM NATURAL COLOUR

T	€	Ordering code
TYPE 09:	163	MIKH. 008 005 09 /NAA
TYPE 16:	163	MIKH. 008 005 16 /NAA
TYPE 20:	163	MIKH. 008 005 20 /NAA

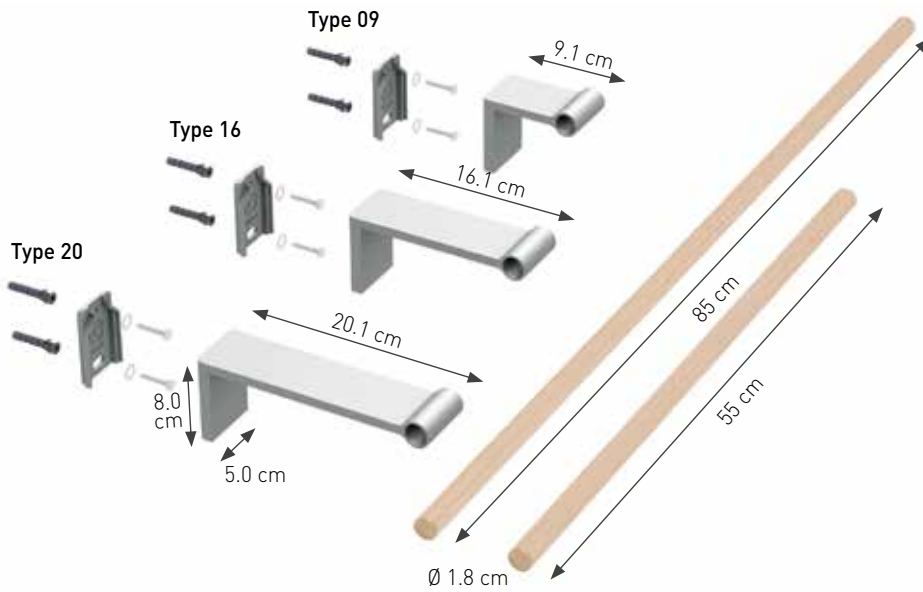
### LENGTH 55



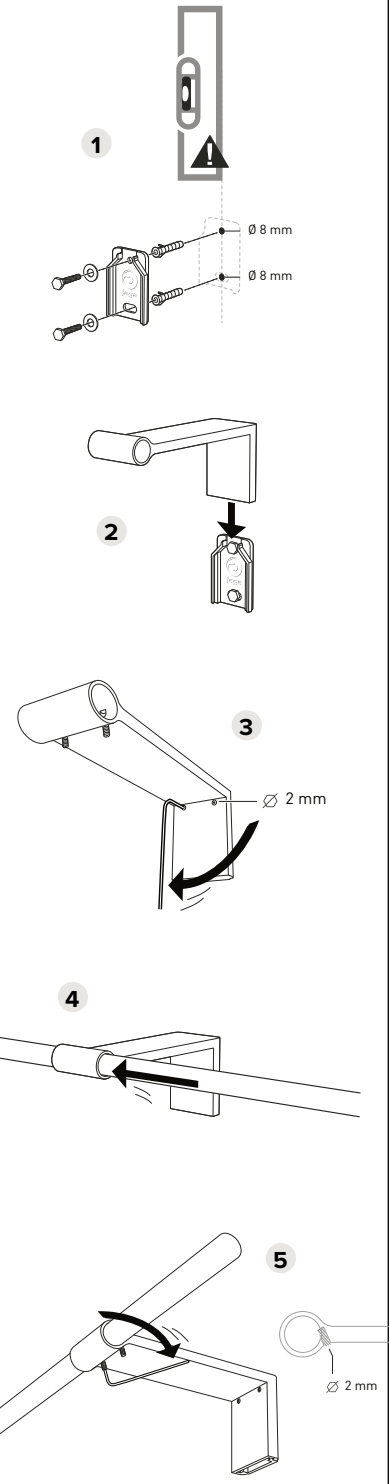
### LENGTH 85



# DIMENSIONS

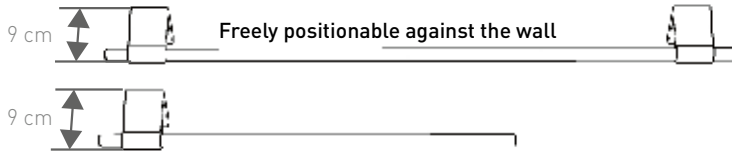


# MOUNTING

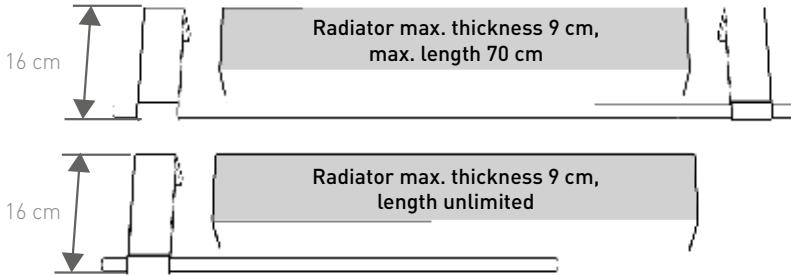


# INSTALLATION

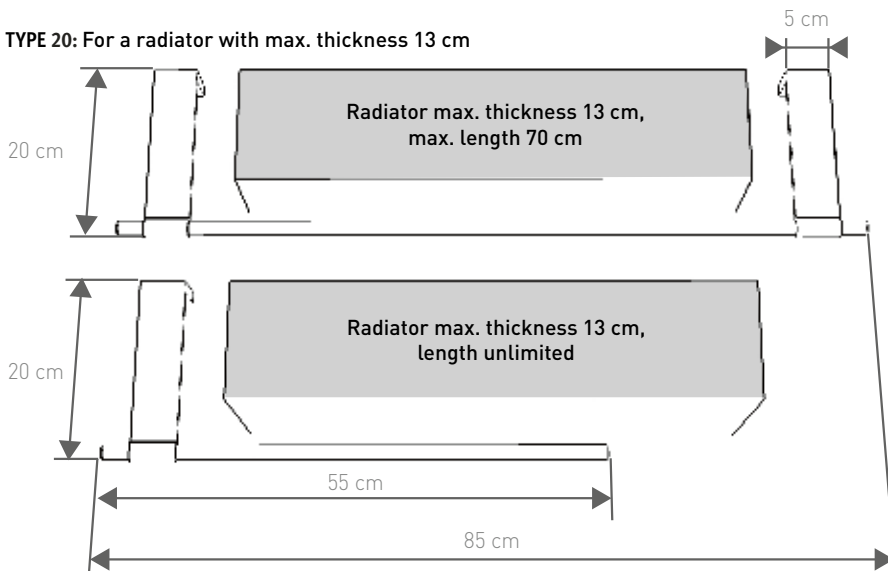
**TYPE 09:** Freely positionable against the wall or above a heating unit



**TYPE 16:** For a radiator with max. thickness 9 cm



**TYPE 20:** For a radiator with max. thickness 13 cm



Always attach L85 using two brackets

**JAGA MIKADO HAS BEEN DESIGNED AND MANUFACTURED TO FUNCTION SOLELY AS A TOWEL HOLDER. MAXIMUM LOAD: 2 KG. ALWAYS MOUNT TOWEL HOLDER L 85 CM WITH TWO WALL BRACKETS!**

# jaga

CLIMATE DESIGNERS

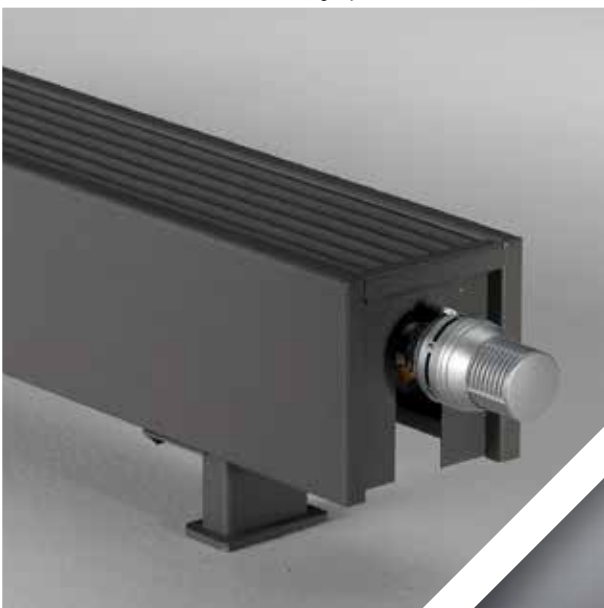
## MINI FREESTANDING

Strikingly discrete

- For spaces with large windows, glazed façades, for window displays, conservatories, under window seats and for dwarf walls.
- Discreet appearance with heights from 8cm.
- No wasteful heat loss from radiation through glazing.
- Stable one-piece casing.
- Suitable for integrated valve.
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- Safe surface temperature.
- **A 30 year guarantee** on the heat exchanger.


Also available as Mini wall mounted model for low window sills and dwarf walls. See page 56.

MINI FREESTANDING sandblast grey 001







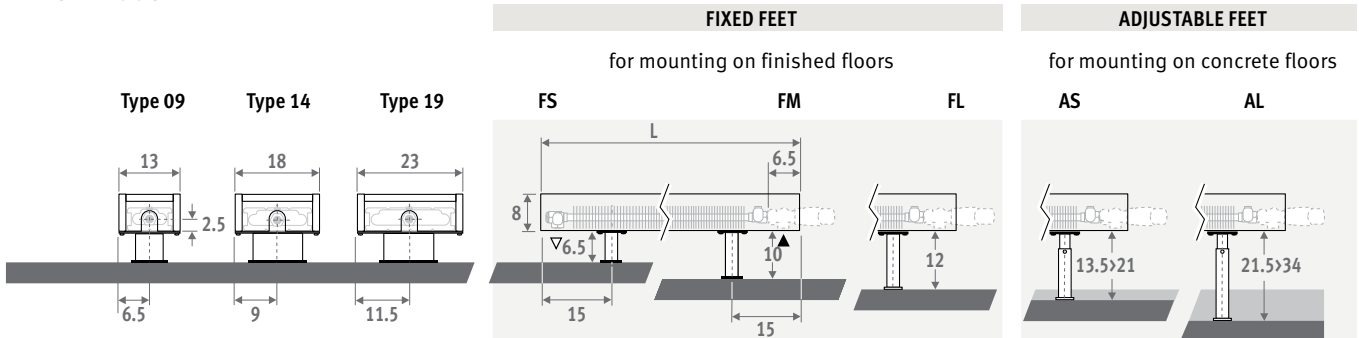
MINI FREESTANDING 

# MINI FREESTANDING

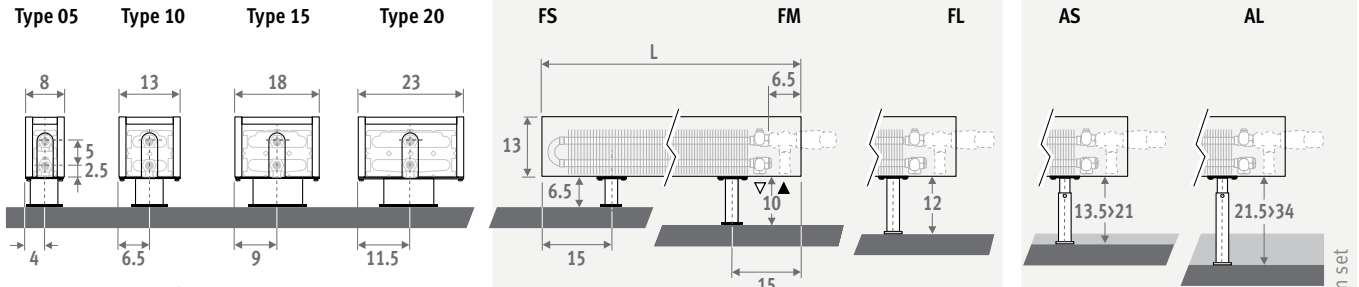


## DIMENSIONS (in cm)

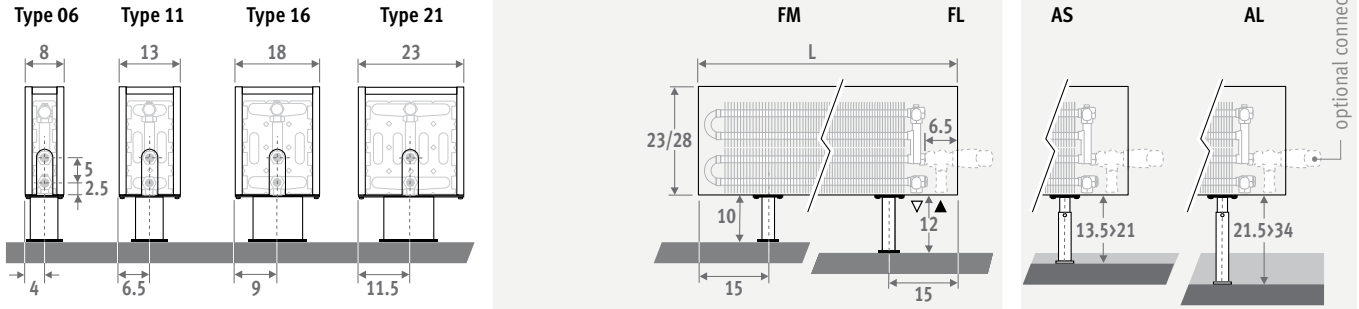
### HEIGHT 008



### HEIGHT 013



### HEIGHT 023 / 028



### ORDERING CODE

**FIXED FEET**

code	height	length	type	colour	foot
MINF . 008	060	09 .	XXX	/XX	

fill in colour code

FS: fixed feet, height 6.5 cm (only for height 008 and 013)  
 FM: fixed feet, height 10 cm  
 FL: fixed feet, height 12 cm

### ORDERING CODE

**ADJUSTABLE FEET**

code	height	length	type	colour	foot
MINF . 008	060	09 .	XXX	/XX	

fill in colour code

AS: adjustable feet, height from 13.5 to 21 cm  
 AL: adjustable feet, height from 21.5 to 34 cm

Also available as Mini wall mounted model for low window sills and dwarf walls. See page 56.

### DELIVERY

- Easy to install by one person.
- Standard delivery:
- Low-H<sub>2</sub>O heat exchanger, air vent 1/8" and drain plug 1/2"
  - casing in one piece for connection left or right
  - feet in the same colour as the radiator

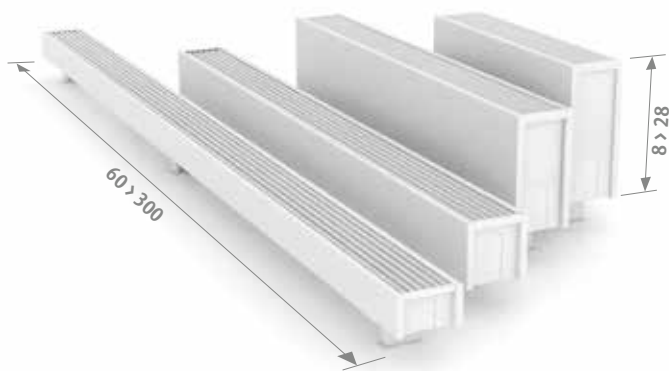
### COLOURS

- Environmentally friendly, scratch-resistant, high UV resistant powder coating.
- Standard colours:
- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
  - sandblast grey (001), fine texture metallic lacquer
- Other colours: see colour chart.

### CONNECTION

Standard connection: Height 008: opposite end connection, flow left or right  
 Other heights: same end connection, left or right connection

It is not possible to connect to the wall from inside the casing, as the casing includes a closed rear panel.

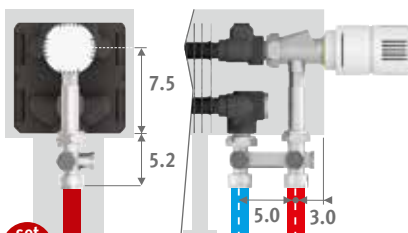




## CONNECTION SETS

### Jaga H-valve to the floor for Mini height 013/023/028 for one or two pipe

TRV head and sleeve couplings Eurocone 3/4" included.



**set 104** CODE 1-PIPE/2-PIPE €

 COLO.HBSF.AW.4... 101

 COLO.HBSF.JW.4... 110

*fill in sleeve coupling code*

Precision metal tube 15/1	115
Precision metal tube 16/1	116
RPE/ALU tube 16/2	616
RPE/ALU tube 20/2	620

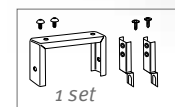
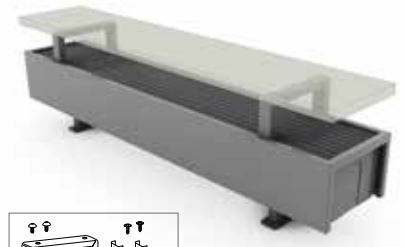
### Jaga valve to the floor or Mini height 008

- with feet FS (H=6.5 cm): Jaga valve 5090.4407, see page 331. No lockshield possible on the return.
- with feet FM or FL (H=10 or 12 cm): set 222, see page 325.

#### Other connections:

See chapter "Connection sets and valves" for all connection options and technical information.

## FIXING SET FOR SHELF



- Number of sets for casing length:
- from 060 to 160 cm: min. 2 sets
  - from 180 to 300 cm: min. 3 sets

#### Shelf not supplied.

CODE	for type	€/set st. colour	€/set other
5210.00015/XXX	14/15/16	70	83
5210.00020/XXX	19/20/21	70	83

*fill in colour code*





# jaga

CLIMATE DESIGNERS

## TEMPO FREESTANDING

Warm power, simple style

- The Jaga classic for rooms with glazed façades. Efficient, freestanding Low H<sub>2</sub>O technology.
- No wasteful heat loss from radiation through glazing.
- Light, compact and easy to handle packaging.
- Suitable for integrated valve.
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- Safe surface temperature.
- **A 30 year guarantee** on the heat exchanger.

Also available as a wall mounted model.  
See page 46.

TEMPO FREESTANDING white 101 (RAL 9010)





TEMPO FREESTANDING

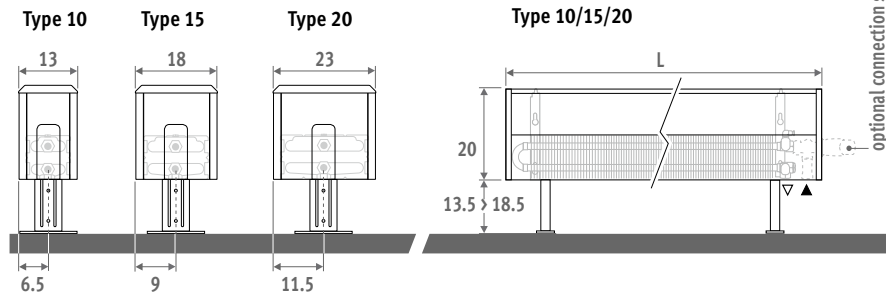
# TEMPO FREESTANDING

EN 442



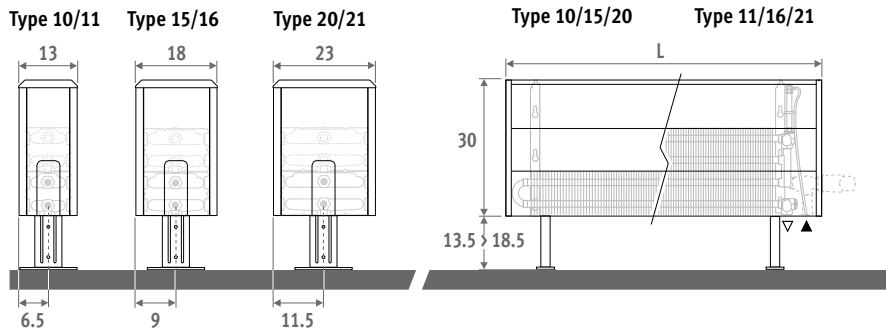
## DIMENSIONS (in cm)

### HEIGHT 020

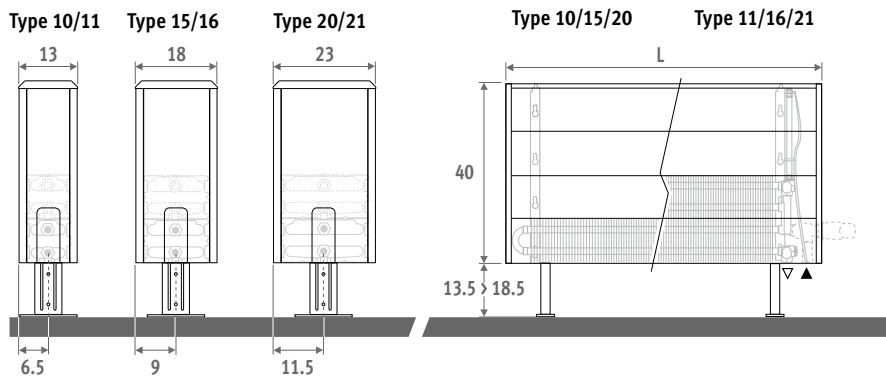


Also available as a wall mounted model. See page 46.

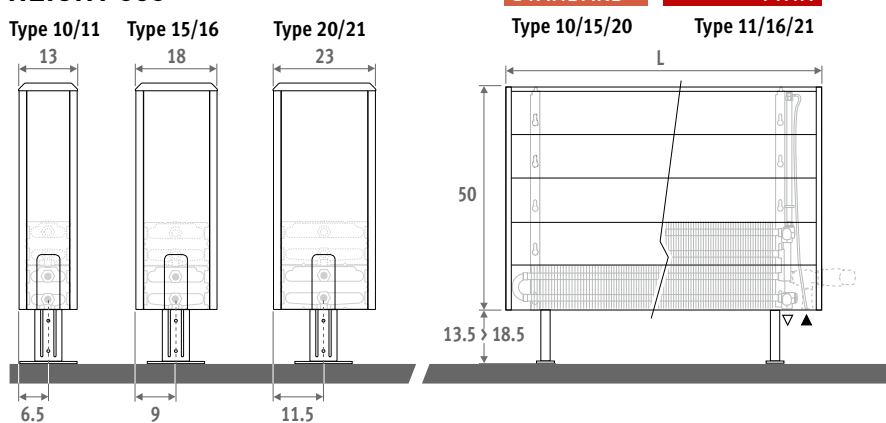
### HEIGHT 030



### HEIGHT 040



### HEIGHT 050





# TEMPO FREESTANDING

## DELIVERY

Light and easily installed by one person. Delivered flat packed in 2 packages for ease of handling and storage.

standard delivery:

- Low-H<sub>2</sub>O heat exchanger with air vent elbow (standard) or extended air vent (twin) 1/8" and drain plug 1/2"
- easy to mount casing with one closed side panel and one open panel for TRV head. The side panels can be mounted both left or right.
- standard adjustable feet in neutral grey

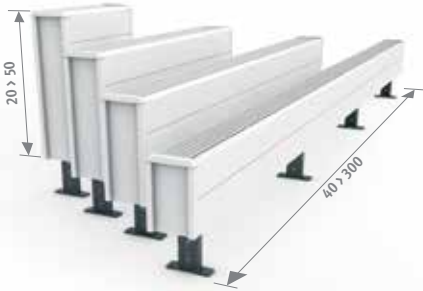
## COLOUR

Scratch-resistant surface coating with a soft structured, satin gloss finish. High UV resistance.

Standard colour: white RAL 9010 (101)

## CONNECTION

Standard connection: bottom end left or right



## OPTIONS

### Feet in the same colour as the casing

For feet in the same colour as the casing, repeat the colour code after the code of the radiator.

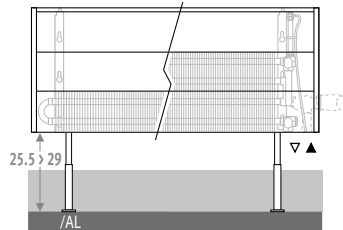
Ex.: TEMF.HHH.LLL.TT.101/101

Surcharge	€
Length casing	
040 > 120	2 feet 22
140 > 220	3 feet 34
240 > 300	4 feet 46

### Extended adjustable feet

- For installation on a rough subfloor or computer floor.
- For extended feet in neutral grey, add /AL to the ordering code.
- Ex.: TEMF.020.040.10.101/AL
- For extended feet in the same colour as the casing, add /AL to the ordering code and repeat the colour code.
- Ex.: TEMF.020.040.10.101/AL/101

Surcharge	€	€
Length casing	grey	colour
040 > 120	2 feet 8,50	31
140 > 220	3 feet 12,90	46
240 > 300	4 feet 16,10	61



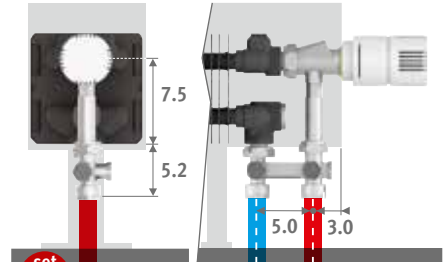
## ORDERING CODE

code	height	length	type	colour
TEMF	. 020	040	10	. XXX
fill in colour code				

## CONNECTION SETS

### Jaga H-valve to the floor for one or two pipe

TRV head and sleeve couplings Eurocone 3/4" included.



set 104	CODE	1-PIPE/2-PIPE	€
	COLO.HBSF.AW.4...		101
	COLO.HBSF.JW.4...		110
fill in sleeve coupling code			
	Precision metal tube 15/1		115
	Precision metal tube 16/1		116
	RPE/ALU tube 16/2		616
	RPE/ALU tube 20/2		620

### Other connection sets and sleeve couplings

See chapter "Connection sets and valves Low-H<sub>2</sub>O" for all connection options and technical information



# TEMPO FREESTANDING

TEMF.HHH LLL TT.101

	STANDARD			
	Type	Watts	Watts	€
		75/65	55/45	
<b>L</b>	<b>H 020</b>			
040	10	262	126	222
	15	436	211	253
	20	613	296	286
050	10	328	158	238
	15	545	263	272
	20	766	370	308
060	10	393	189	252
	15	654	316	295
	20	919	444	335
070	10	459	221	283
	15	763	369	333
	20	1072	518	386
080	10	524	252	298
	15	872	421	353
	20	1226	592	412
090	10	590	284	313
	15	981	474	377
	20	1379	666	439
100	10	655	316	343
	15	1090	526	411
	20	1532	740	481
110	10	721	347	358
	15	1199	579	437
	20	1685	814	513
120	10	786	379	375
	15	1308	632	455
	20	1838	888	538
140	10	917	442	439
	15	1526	737	533
	20	2145	1036	659
160	10	1048	505	497
	15	1744	842	613
	20	2451	1184	763
180	10	1179	568	535
	15	1962	948	663
	20	2758	1332	824
200	10	1310	631	577
	15	2180	1053	748
	20	3064	1480	892
220	10	1441	694	646
	15	2398	1158	843
	20	3370	1628	1015
240	10	1572	757	713
	15	2616	1264	924
	20	3677	1776	1109
260	10	1703	820	750
	15	2834	1369	977
	20	3983	1924	1178
280	10	1834	884	800
	15	3052	1474	1044
	20	4290	2072	1254
300	10	1965	947	838
	15	3270	1579	1091
	20	4596	2220	1316

	STANDARD			
	Type	Watts	Watts	€
		75/65	55/45	
	<b>H 030</b>			
10	10	330	160	242
	15	544	264	272
	20	762	370	304
15	10	413	200	256
	15	680	330	295
	20	953	463	331
20	10	496	240	274
	15	815	396	315
	20	1144	556	356
30	10	578	280	308
	15	951	462	356
	20	1334	648	411
40	10	661	320	326
	15	1087	528	380
	20	1525	741	439
50	10	743	360	345
	15	1223	594	407
	20	1715	834	470
60	10	826	400	376
	15	1359	660	442
	20	1906	926	517
70	10	909	440	395
	15	1495	727	472
	20	2097	1019	550
80	10	991	480	412
	15	1631	793	493
	20	2287	1112	577
90	10	1156	560	486
	15	1903	925	578
	20	2668	1297	702
100	10	1322	640	550
	15	2174	1057	663
	20	3050	1482	812
110	10	1487	720	590
	15	2446	1189	717
	20	3431	1668	881
120	10	1652	800	639
	15	2718	1321	810
	20	3812	1853	956
130	10	1817	880	714
	15	2990	1453	910
	20	4193	2038	1082
140	10	1982	960	786
	15	3262	1585	998
	20	4574	2223	1181
150	10	2148	1040	829
	15	3533	1717	1055
	20	4956	2409	1254
160	10	2313	1120	885
	15	3805	1849	1127
	20	5337	2594	1337
170	10	2478	1200	925
	15	4077	1981	1179
	20	5718	2779	1403

	TWIN			
	Type	Watts	Watts	€
		75/65	55/45	
10	11	448	213	350
	16	592	279	397
	21	779	365	419
15	11	561	267	376
	16	740	349	432
	21	974	456	457
20	11	673	320	397
	16	888	418	465
	21	1169	547	495
30	11	785	373	449
	16	1036	488	532
	21	1364	639	570
40	11	897	426	474
	16	1184	558	564
	21	1558	730	609
50	11	1009	479	500
	16	1332	628	602
	21	1753	821	652
60	11	1121	533	544
	16	1480	697	660
	21	1948	912	718
70	11	1233	586	574
	16	1628	767	698
	21	2143	1003	764
80	11	1345	639	599
	16	1776	837	732
	21	2338	1095	803
90	11	1569	745	689
	16	2072	976	843
	21	2727	1277	974
100	11	1794	852	787
	16	2368	1116	979
	21	3117	1460	1136
110	11	2018	959	846
	16	2664	1255	1059
	21	3506	1642	1228
120	11	2242	1065	914
	16	2960	1395	1204
	21	3896	1824	1330
130	11	2466	1172	1026
	16	3256	1534	1364
	21	4286	2007	1516
140	11	2690	1278	1121
	16	3552	1674	1484
	21	4675	2189	1649
150	11	2915	1385	1186
	16	3848	1813	1569
	21	5065	2372	1748
160	11	3139	1491	1260
	16	4144	1953	1667
	21	5454	2554	1860
170	11	3363	1598	1320
	16	4440	2092	1748
	21	5844	2736	1957

EN442 output at 20°C room temperature



# jaga

CLIMATE DESIGNERS

## LINEA PLUS FREESTANDING

Warm power, slim line

- For spaces with large windows, glazed façades, for window displays, conservatories, under window seats and for dwarf walls.
- Discreet slim-line design with flat front panel and stylish aluminium grille.
- No wasteful heat loss from radiation through glazing.
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- Suitable for integrated valve.
- Safe surface temperature.
- **A 30 year guarantee** on the heat exchanger.

Also available as a wall mounted model. See page 38.

LINEA PLUS white 133 (RAL 9016)





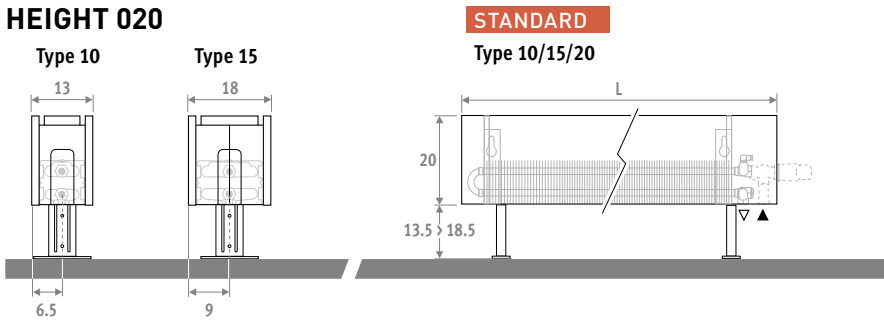
LINEA PLUS FREESTANDING

# LINEA PLUS FREESTANDING

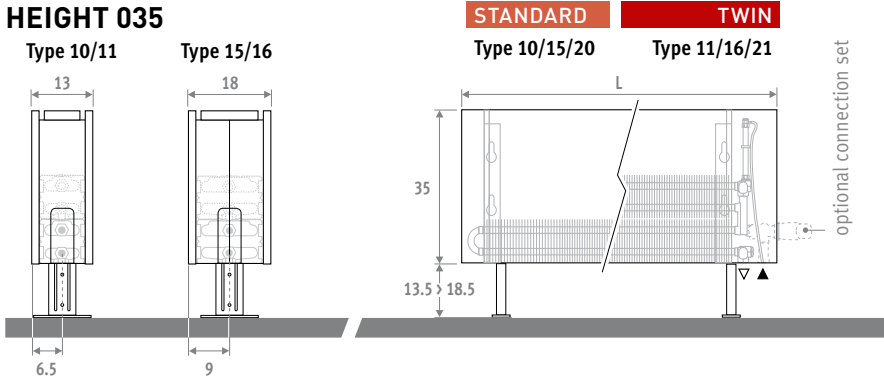


## DIMENSIONS (in cm)

### HEIGHT 020



### HEIGHT 035



Also available as a wall mounted model. See page 38.

## DELIVERY

Easy to install by one person. Delivered in a cardboard box, which can also be used as protection on site after installation.

Standard delivery:

- Low-H<sub>2</sub>O heat exchanger with air vent elbow (standard) or extended air vent (twin) 1/8" and drain plug 1/2"
- connection left or right below
- standard adjustable feet in neutral grey

## COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

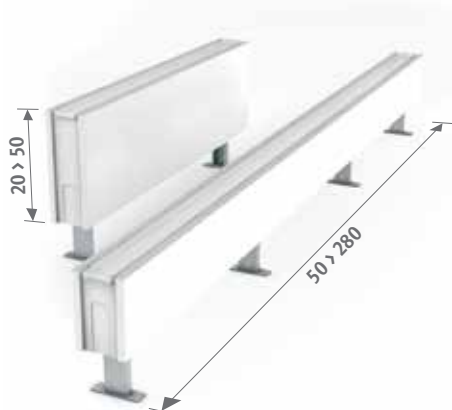
Standard colours:

- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
- sandblast grey (001), fine texture metallic lacquer
- off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%

Other colours: see colour chart.

## CONNECTION

Standard connection: bottom end left or right



## OPTIONS

### Feet in the same colour as the casing

For feet in the same colour as the casing, repeat the colour code after the code of the radiator.

ex.: LINF. HHH LLL TT.XXX/XXX

Surcharge	Length casing	€
	050 > 110	22
	120 > 220	34
	240 > 300	46

### Extended adjustable feet

- For installation on a rough subfloor or computer floor.

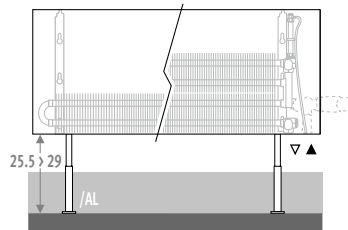
- For extended feet in neutral grey, add /AL to the ordering code.

ex.: LINF. 020 050 10.XXX/AL

- For extended feet in the same colour as the casing, add /AL to the ordering code and repeat the colour code.

ex.: LINF. 020 050 10.XXX/AL/XXX

Surcharge	Length casing	grey	colour	€
	050 > 110	10,00		36
	120 > 220	18		57
	240 > 380	22		77



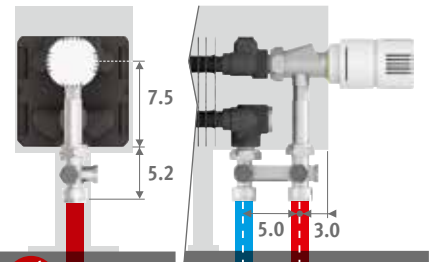
## ORDERING CODE

code	height	length	type	colour
LINF .	020	050	10 .	XXX
fill in colour code				

## CONNECTION SETS

### Jaga H-valve to the floor for one or two pipe

TRV head and sleeve couplings Eurocone 3/4" included.



### CODE 1-PIPE/2-PIPE

COLO.HBSF.AW.4...	101
COLO.HBSF.JW.4...	110

fill in sleeve coupling code

Precision metal tube 15/1	115
Precision metal tube 16/1	116
RPE/ALU tube 16/2	616
RPE/ALU tube 20/2	620

### Other connections:

see chapter "Connection sets and valves Low-H<sub>2</sub>O" for all connection options and technical information.

# LINEA PLUS FREESTANDING

LINF.HHH LLL TT.XXX

	STANDARD				
	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L</b>	<b>H 020</b>				
<b>050</b>	<b>10</b>	271	129	<b>273</b>	<b>386</b>
	<b>15</b>	483	231	<b>324</b>	<b>437</b>
<b>060</b>	<b>10</b>	325	155	<b>289</b>	<b>403</b>
	<b>15</b>	580	278	<b>344</b>	<b>458</b>
<b>070</b>	<b>10</b>	379	180	<b>316</b>	<b>430</b>
	<b>15</b>	676	324	<b>379</b>	<b>492</b>
<b>080</b>	<b>10</b>	433	206	<b>338</b>	<b>451</b>
	<b>15</b>	773	370	<b>407</b>	<b>520</b>
<b>090</b>	<b>10</b>	487	232	<b>354</b>	<b>467</b>
	<b>15</b>	869	416	<b>428</b>	<b>542</b>
<b>100</b>	<b>10</b>	541	258	<b>379</b>	<b>558</b>
	<b>15</b>	966	463	<b>460</b>	<b>639</b>
<b>110</b>	<b>10</b>	595	283	<b>395</b>	<b>575</b>
	<b>15</b>	1063	509	<b>481</b>	<b>661</b>
<b>120</b>	<b>10</b>	649	309	<b>442</b>	<b>621</b>
	<b>15</b>	1159	555	<b>536</b>	<b>716</b>
<b>140</b>	<b>10</b>	757	360	<b>478</b>	<b>658</b>
	<b>15</b>	1352	648	<b>583</b>	<b>763</b>
<b>160</b>	<b>10</b>	866	412	<b>562</b>	<b>742</b>
	<b>15</b>	1546	741	<b>689</b>	<b>868</b>
<b>180</b>	<b>10</b>	974	464	<b>611</b>	<b>791</b>
	<b>15</b>	1739	833	<b>747</b>	<b>926</b>
<b>200</b>	<b>10</b>	1082	515	<b>662</b>	<b>975</b>
	<b>15</b>	1932	925	<b>841</b>	<b>1155</b>
<b>220</b>	<b>10</b>	1190	567	<b>773</b>	<b>1086</b>
	<b>15</b>	2125	1018	<b>976</b>	<b>1290</b>
<b>240</b>	<b>10</b>	1298	618	<b>847</b>	<b>1160</b>
	<b>15</b>	2318	1110	<b>1068</b>	<b>1381</b>
<b>260</b>	<b>10</b>	1407	670	<b>898</b>	<b>1212</b>
	<b>15</b>	2512	1203	<b>1131</b>	<b>1444</b>
<b>280</b>	<b>10</b>	1515	721	<b>941</b>	<b>1254</b>
	<b>15</b>	2705	1296	<b>1188</b>	<b>1501</b>

	STANDARD				
	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>H 035</b>	<b>10</b>	392	188	<b>303</b>	<b>416</b>
	<b>15</b>	673	327	<b>353</b>	<b>466</b>
<b>10</b>	<b>10</b>	470	226	<b>323</b>	<b>436</b>
	<b>15</b>	808	392	<b>378</b>	<b>491</b>
<b>10</b>	<b>10</b>	548	263	<b>351</b>	<b>464</b>
	<b>15</b>	942	457	<b>416</b>	<b>529</b>
<b>10</b>	<b>10</b>	626	301	<b>376</b>	<b>489</b>
	<b>15</b>	1077	523	<b>444</b>	<b>557</b>
<b>10</b>	<b>10</b>	705	339	<b>397</b>	<b>510</b>
	<b>15</b>	1211	588	<b>474</b>	<b>587</b>
<b>10</b>	<b>10</b>	783	376	<b>424</b>	<b>604</b>
	<b>15</b>	1346	653	<b>507</b>	<b>687</b>
<b>10</b>	<b>10</b>	861	414	<b>442</b>	<b>621</b>
	<b>15</b>	1481	719	<b>533</b>	<b>713</b>
<b>10</b>	<b>10</b>	940	451	<b>494</b>	<b>673</b>
	<b>15</b>	1615	784	<b>588</b>	<b>768</b>
<b>10</b>	<b>10</b>	1096	526	<b>536</b>	<b>716</b>
	<b>15</b>	1884	915	<b>643</b>	<b>823</b>
<b>10</b>	<b>10</b>	1253	602	<b>631</b>	<b>810</b>
	<b>15</b>	2154	1046	<b>756</b>	<b>936</b>
<b>10</b>	<b>10</b>	1409	677	<b>684</b>	<b>863</b>
	<b>15</b>	2423	1176	<b>823</b>	<b>1002</b>
<b>10</b>	<b>10</b>	1566	752	<b>741</b>	<b>1054</b>
	<b>15</b>	2692	1307	<b>922</b>	<b>1236</b>
<b>10</b>	<b>10</b>	1723	828	<b>858</b>	<b>1171</b>
	<b>15</b>	2961	1438	<b>1064</b>	<b>1378</b>
<b>10</b>	<b>10</b>	1879	902	<b>945</b>	<b>1258</b>
	<b>15</b>	3230	1568	<b>1166</b>	<b>1479</b>
<b>10</b>	<b>10</b>	2036	978	<b>998</b>	<b>1311</b>
	<b>15</b>	3500	1699	<b>1233</b>	<b>1546</b>
<b>10</b>	<b>10</b>	2192	1053	<b>1049</b>	<b>1362</b>
	<b>15</b>	3769	1830	<b>1298</b>	<b>1611</b>

	TWIN				
	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>11</b>	<b>11</b>	524	246	<b>419</b>	<b>532</b>
	<b>16</b>	733	344	<b>493</b>	<b>606</b>
<b>11</b>	<b>11</b>	629	296	<b>446</b>	<b>559</b>
	<b>16</b>	879	412	<b>527</b>	<b>640</b>
<b>11</b>	<b>11</b>	734	345	<b>492</b>	<b>605</b>
	<b>16</b>	1026	481	<b>588</b>	<b>701</b>
<b>11</b>	<b>11</b>	838	394	<b>523</b>	<b>636</b>
	<b>16</b>	1172	550	<b>630</b>	<b>743</b>
<b>11</b>	<b>11</b>	943	443	<b>555</b>	<b>668</b>
	<b>16</b>	1319	619	<b>671</b>	<b>784</b>
<b>11</b>	<b>11</b>	1048	493	<b>592</b>	<b>772</b>
	<b>16</b>	1465	687	<b>723</b>	<b>903</b>
<b>11</b>	<b>11</b>	1153	542	<b>620</b>	<b>800</b>
	<b>16</b>	1612	756	<b>759</b>	<b>939</b>
<b>11</b>	<b>11</b>	1258	592	<b>683</b>	<b>862</b>
	<b>16</b>	1758	824	<b>833</b>	<b>1013</b>
<b>11</b>	<b>11</b>	1467	690	<b>742</b>	<b>921</b>
	<b>16</b>	2051	962	<b>909</b>	<b>1088</b>
<b>11</b>	<b>11</b>	1677	789	<b>868</b>	<b>1048</b>
	<b>16</b>	2344	1099	<b>1074</b>	<b>1253</b>
<b>11</b>	<b>11</b>	1886	887	<b>941</b>	<b>1121</b>
	<b>16</b>	2637	1237	<b>1168</b>	<b>1348</b>
<b>11</b>	<b>11</b>	2096	986	<b>1015</b>	<b>1328</b>
	<b>16</b>	2930	1374	<b>1316</b>	<b>1629</b>
<b>11</b>	<b>11</b>	2306	1084	<b>1172</b>	<b>1486</b>
	<b>16</b>	3223	1512	<b>1520</b>	<b>1833</b>
<b>11</b>	<b>11</b>	2515	1183	<b>1279</b>	<b>1593</b>
	<b>16</b>	3516	1649	<b>1651</b>	<b>1964</b>
<b>11</b>	<b>11</b>	2725	1281	<b>1353</b>	<b>1666</b>
	<b>16</b>	3809	1786	<b>1747</b>	<b>2060</b>
<b>11</b>	<b>11</b>	2934	1380	<b>1424</b>	<b>1738</b>
	<b>16</b>	4102	1924	<b>1839</b>	<b>2153</b>

EN442 output at 20°C room temperature

# jaga

CLIMATE DESIGNERS

## KNOCKONWOOD FREESTANDING DBE

Warm power, noble wood

- Developed for the house of the future, “Living Tomorrow”, in Vilvoorde-Belgium.
- Completely pre-assembled including DBE units, connection set and TRV head.
- Casing with curved wooden shell finished in high-grade veneer in 9 wood finishes.
- Hidden control with pre-mounted connection set and TRV head.
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- DBE (Dynamic Boost Effect) for compact dimensions at super-low water temperatures from 28 °C.
- Safe surface temperature.
- **A 30 year guarantee** on the heat exchanger.

**LIVING  
TOMORROW**  
[Where visions meet](#)







KNOCKONWOOD FREESTANDING DBE





# KNOCKONWOOD FREESTANDING DBE

KNUF. 021 LLL 15.XXX/DBE/...

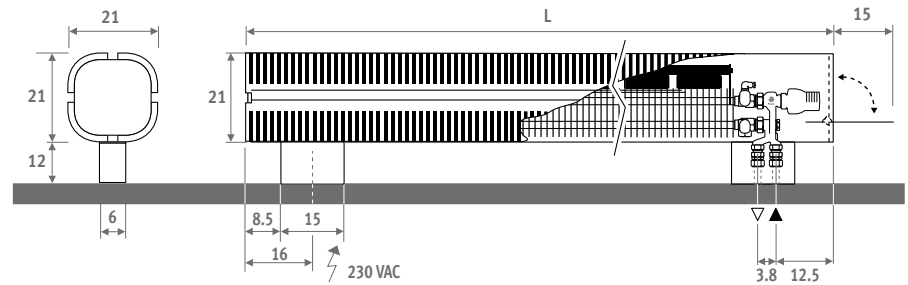
Completely pre-assembled including DBE units, connection set and TRV head

L	Type	STANDBY*		COMFORT			€	
		Watts 75/65	Watts 55/45	Watts 75/65	Watts 55/45	Watts 35/30	cat. 1	cat. 2
110	15	1178	575	1678	1001	414	On request	
130	15	1414	690	2164	1291	534		
170	15	1885	920	2885	1721	712		
210	15	2356	1150	3606	2151	889		

\* Stand-by is the static output if the activators are not working. Transition from Stand-by to Comfort is effected automatically in accordance with the thermal need. Boost output see: [www.jaga.com](http://www.jaga.com)

utput at 20°C room temperature

## DIMENSIONS (in cm)



## ORDERING CODE

code	height	length	type	wood
KNUF . 021	110	15	. XXX	/DBE/...
			fill in type of wood	
			fill in sleeve coupling Eurocone	
			Precision metal tube 14/1	114
			Precision metal tube 15/1	115
			Precision metal tube 16/1	116
			RPE/ALU tube 16/2	316
			(other sleeve couplings: see "Connection sets and Valves Low-H <sub>2</sub> O")	

## STANDARD DELIVERY

Delivered in a cardboard box, which can also be used as protection on site after installation.

Standard delivery:

- pre-mounted radiator in one piece with easy to open side panel for setting temperature. Casing in plywood with veneer oak natural 700 (cat. 1), varnished in satin mat. Pre-mounted DBE set with operation, control and power supply 12 VDC included.
- Low-H<sub>2</sub>O heat exchanger type 15
- feet and side panels in sandblast grey 001, thermostatic head hidden behind the side panel.
- Jaga-Pro valve and Jaga thermostatic head. Can be connected at either end, inside the foot.
- angled air vent 1/8" and drain plug 1/2"

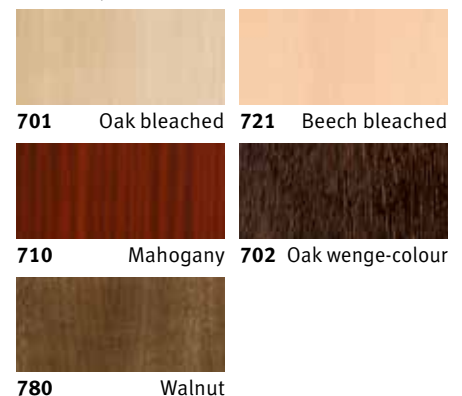
## WOOD FINISHES

The wooden casing is finished with a scratch-resistant polyurethane varnish, satin mat, gloss degree 40%. High UV resistance.

### Category 1



### Category 2



# jaga

CLIMATE DESIGNERS

## PANEL PLUS FREESTANDING

Elegant simplicity and power

Streamlined, elegant design. The compact style of the Panel Plus allows creative freedom to the designer and saves space too! The sober design with a top grille included gives the Panel Plus an understated quality. Panel Plus is a super compact and solid freestanding solution but is also available as a horizontal or vertical wall radiator.

Horizontal version: see p. 68.  
Vertical version: see p. 112.

**PANEL PLUS FREESTANDING** height 18 cm,  
sandblast grey 001





PANEL PLUS FREESTANDING

# PANEL PLUS FREESTANDING

## DIMENSIONS (in cm)

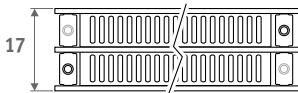


### PANEL PLUS FREESTANDING

- standard connection
- variant

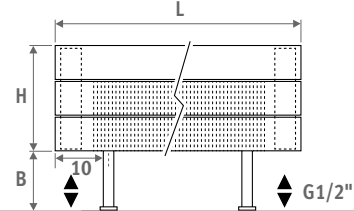
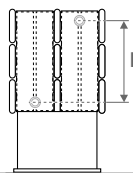
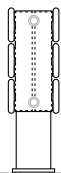


H	12	18	>18
B	7.5	10 > 13	12 > 17



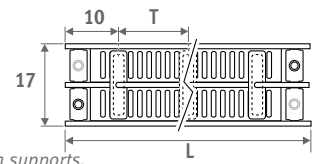
Type 22

Type 34

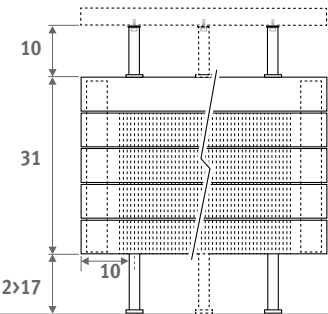
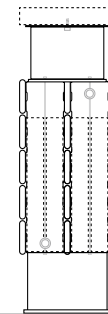


### BENCH RADIATOR

L	T	S*	V*
120	99.0	2	2
160	69.5	3	2
200	89.5	3	2
240	109.5	3	3
280	86.5	4	3



\* S = number of bench supports,  
V = number of feet



## DELIVERY

Standard delivery

- connection 18 underneath
- standard feet for installation on finished floor
- chrome-plated air vent and drain plug G1/2"
- pre-mounted grille

Standard delivery bench radiator

- Panel Plus radiator type 34 freestanding
- fixing set for bench (bench not included)

## COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic
- off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%

Other colours: see colour chart.

## CONNECTION

Code:

1° number = flow

2° number = return

Standard connection:

Code 18, reversible 18 or 81

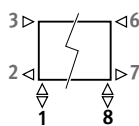
Other connections (no surcharge):

- side connection:

- one-sided: code 32 or 67 instead of 18
- cross-over: code 37 or 62 instead of 18

- single point connection: code 11 (left) or 88 (right) instead of 18.

Always use a vertical diffusion tube (ø 10 to 12mm) min. 100 mm long and a reduction washer.



## CONNECTION SETS

### Connection set to the floor Jaga Deco

TRV head and sleeve couplings included.



Set 34

To the floor

€



CODE.JF2.AC.1...

219

fill in sleeve coupling code

Precision metal tube 15/1	115
Precision metal tube 16/1	116
RPE/ALU tube 16/2	616
RPE/ALU tube 20/2	620

### Other connection sets and sleeve couplings

See chapter "Connection sets and valves Eyecatchers" for all connection options and technical information

Horizontal version: see p. 68.  
Vertical version: see p. 112.

# PANEL PLUS FREESTANDING

code height length type colour conn.  
**PPHF . 018 100 22 . XXX /18 /GR**  
 fill in colour code —|

	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 018</b>					
060	---	---	---	---	---
080	---	---	---	---	---
100	22	626	312	881	1057
	34	1140	538	1350	1622
120	22	751	374	959	1153
	34	1369	646	1487	1785
140	22	876	436	1040	1247
	34	1597	754	1623	1948
160	22	1001	498	1121	1346
	34	1825	862	1756	2107
180	22	1126	561	1199	1440
	34	2053	969	1893	2271
200	22	1252	623	1278	1530
	34	2281	1077	2022	2428
220	22	1377	686	1392	1672
	34	2509	1185	2197	2636
240	22	1502	748	1469	1763
	34	2737	1292	2330	2798
260	22	1627	810	1551	1862
	34	2965	1400	2466	2962
280	22	1752	872	1631	1955
	34	3193	1508	2596	3116
300	22	1877	935	1708	2049
	34	3421	1615	2730	3279

	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 024</b>					
060	22	477	238	805	966
	34	875	413	1281	1538
080	22	636	317	900	1078
	34	1166	551	1434	1723
100	22	794	395	992	1192
	34	1458	688	1590	1908
120	22	953	475	1077	1295
	34	1749	826	1743	2094
140	22	1112	554	1163	1394
	34	2041	964	1900	2279
160	22	1271	633	1254	1505
	34	2332	1101	2055	2464
180	22	1430	712	1339	1608
	34	2624	1239	2210	2651
200	22	1589	791	1424	1709
	34	2915	1376	2364	2837
220	22	1748	870	1548	1858
	34	3207	1514	2555	3067
240	22	1907	950	1636	1963
	34	3498	1652	2711	3253
260	22	2065	1028	1723	2069
	34	3790	1789	2866	3440
280	22	2224	1107	1808	2169
	34	4081	1927	3020	3626
300	22	2383	1187	1893	2272
	34	4373	2065	3174	3812

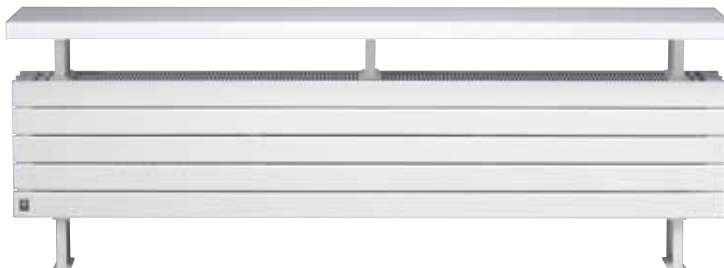
	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 031</b>					
060	22	571	284	932	1117
	34	1018	481	1465	1758
080	22	761	379	1047	1256
	34	1357	641	1641	1969
100	22	951	474	1160	1392
	34	1697	802	1818	2179
120	22	1142	569	1260	1513
	34	2036	962	1993	2391
140	22	1332	663	1381	1657
	34	2375	1122	2168	2602
160	22	1522	758	1487	1783
	34	2715	1283	2347	2815
180	22	1713	853	1597	1915
	34	3054	1443	2522	3026
200	22	1903	948	1705	2047
	34	3393	1603	2700	3238
220	22	2093	1042	1851	2221
	34	3733	1763	2912	3495
240	22	2283	1137	1960	2352
	34	4072	1924	3088	3706
260	22	2474	1232	2074	2490
	34	4411	2084	3266	3919
280	22	2664	1327	2189	2628
	34	4751	2244	3441	4131
300	22	2854	1421	2302	2763
	34	5090	2404	3617	4342

EN442 output at 20°C room temperature

Panel Plus freestanding is available from height 6 cm up to 31 cm and length 60 cm up to 460 cm. See: [www.jaga.com](http://www.jaga.com)

# PANEL PLUS BENCH RADIATOR

Bench not included



code height length type colour conn.  
**PPHF . 031 120 34 . XXX /18 /BE**  
 fill in colour code —|

	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 031</b>					
120	34	2199	1149	2074	2490
160	34	2932	1532	2460	2951
200	34	3665	1915	2811	3375
240	34	4398	2298	3203	3842
280	34	5131	2681	3587	4305

Bench not included EN442 output at 20°C room temperature

# jaga

CLIMATE DESIGNERS

## MINI CANAL

Minimal recess depth

For spaces with large windows, glazed façades, conservatories, display windows and offices. From a depth of 9 cm, Mini Canal is the perfect solution for multi - storey buildings and computer floors. Hidden under the grille is an ultra fast Low-H<sub>2</sub>O element. The internal elements of the Mini Canal have been made “invisible”, using lacquered dark grey components. The only eyecatching element left is the grille-cover which can be perfectly tailored to match the floor or the interior design.

- Depth from 9 cm
- Delivered ready-to-use , fully assembled and factory tested.
- A range of grilles for every interior
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- **A 30 year guarantee** on the heat exchanger.

OAK varnished

ALU LACQUERED gray granite (028) ▶







MINI CANAL

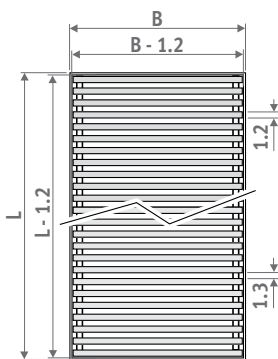
# OVERVIEW GRILLES - ROLL-UP

## DESIGNO WOODEN GRILLES

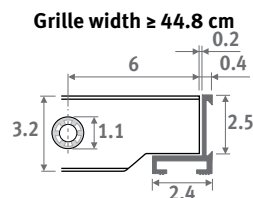
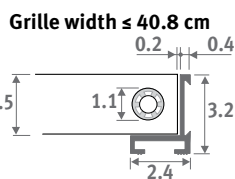


Roll-up natural or varnished grille, Designo model with reduced slat spacing and natural colour anodized aluminium spacers. Frame in natural coloured anodized aluminium.

**Free air flow: 52%**  
**Output correction factor: 0.93**



Dimensional tolerance grille width: 0/+0.2 cm



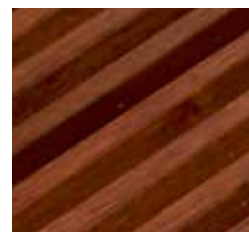
**DON** Oak natural



**DOV** Oak varnished



**DMN** Merbau natural



**DMV** Merbau varnished



**DBN** Beech natural



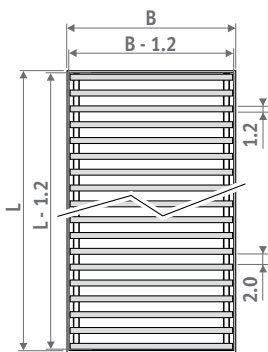
**DBV** Beech varnished

## WOODEN GRILLES

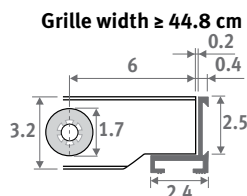
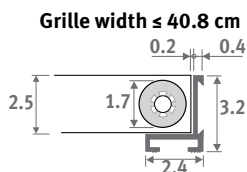


Roll-up natural or varnished grille, with dark brown coloured synthetic spacers. Frame in brown anodized aluminium. Free air flow 63%.

**Free air flow: 63%**  
**Output correction factor: 0.97**



Dimensional tolerance grille width: 0/+0.2 cm



**RON** Oak natural



**ROV** Oak varnished



**RMN** Merbau natural



**RMV** Merbau varnished



**RBN** Beech natural



**RBV** Beech varnished

# ROLL-UP - OVERVIEW GRILLES

## ALUMINIUM GRILLES



**RNA** Natural aluminium



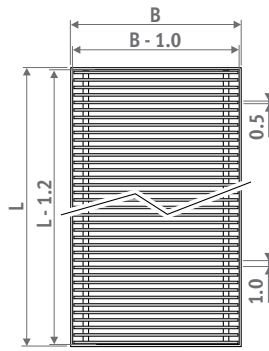
**RBL** Black



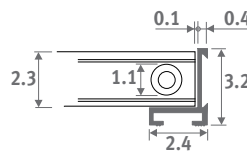
**RDB** Dark brown  
(Only for Mini Canal)



**RBR** Brass coloured  
(Only for Mini Canal)



Dimensional tolerance  
grille width:  $0/+0.2$  cm



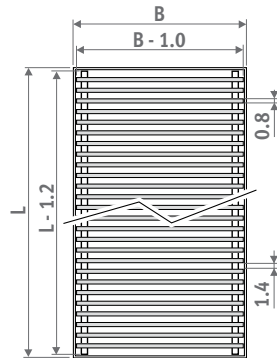
Roll-up anodized aluminium grille with frame in matching colour.

**Free air flow: 70%**

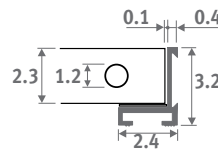
**No correction factor to apply on the output.**



**RSS** stainless steel



Dimensional tolerance  
grille width:  $0/+0.2$  cm



Roll-up grille in high grade stainless steel 1.4301. With matching frame in natural anodized aluminium. Maximum length: 6 m.

**Free air flow: 60%**

**Output correction factor: 0.96**

**Mini Canal and separate frames** are available with L-profile or Z-profile frame.

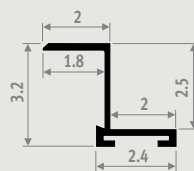
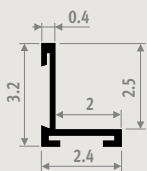
**Canal Compact and Canal Plus** are only available with L-profile frame.



Frame  
L-profile

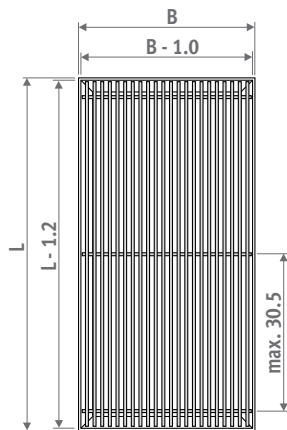
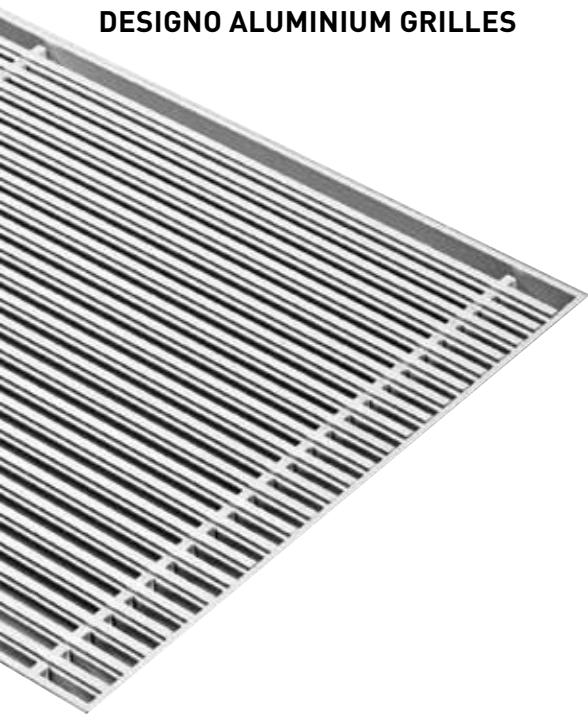


Cover frame  
Z-profile

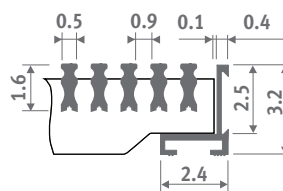


# OVERVIEW GRILLES - RIGID

## DESIGNO ALUMINIUM GRILLES



Dimensional tolerance grille width: 0/+0.2 cm



Rigid anodized aluminium grille, Designo model with reduced slat spacing. Matching colour frame.

**free air flow: 62.5%**

**Output correction factor: 0.97**



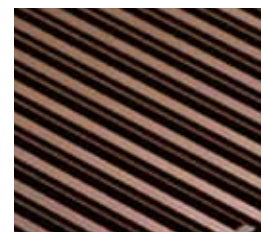
**DNA** Natural aluminium



**DBL** Black



**DBR** Brass coloured (Only for Mini Canal)



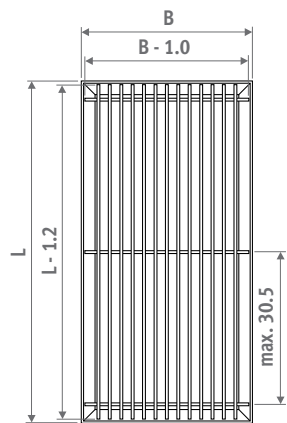
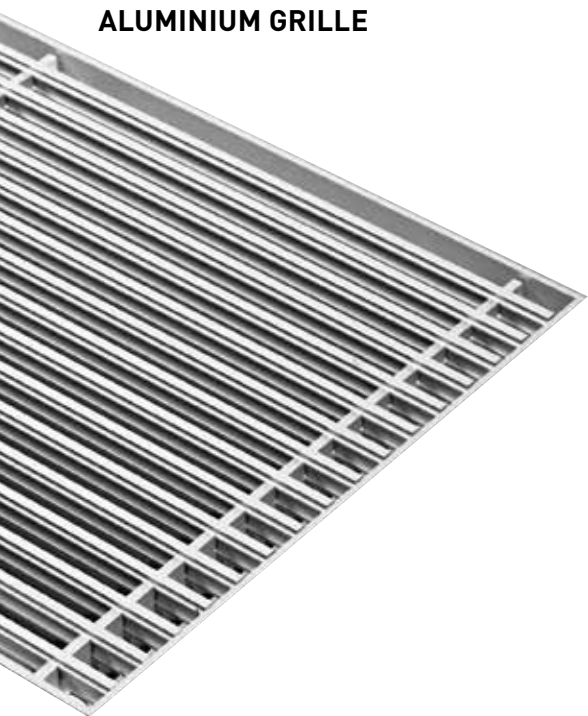
**DDB** Dark brown (Only for Mini Canal)



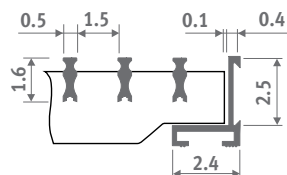
**DNC/XXX** Alu lacquered

Our grilles and frames are available in all colours, with the exception of Sandblast grey 001. In case of intensive use (placement in circulation areas, for example in front of sliding windows and doors), wear is, of course, inevitable.

## ALUMINIUM GRILLE



Dimensional tolerance grille width: 0/+0.2 cm



Rigid anodized aluminium grille with matching colour frame.

**Free air flow: 75%**

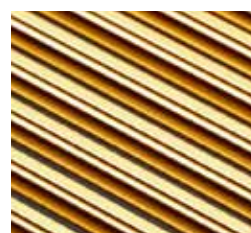
**No correction factor to apply on the output.**



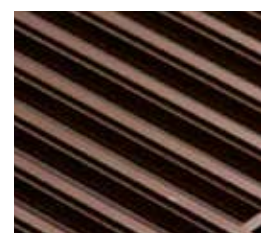
**SNA** Natural aluminium



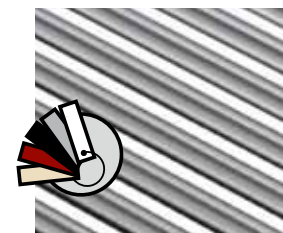
**SBL** Black



**TBR** Brass coloured (Only for Mini Canal)



**SDB** Dark brown (Only for Mini Canal)



**SNC/XXX** Alu lacquered

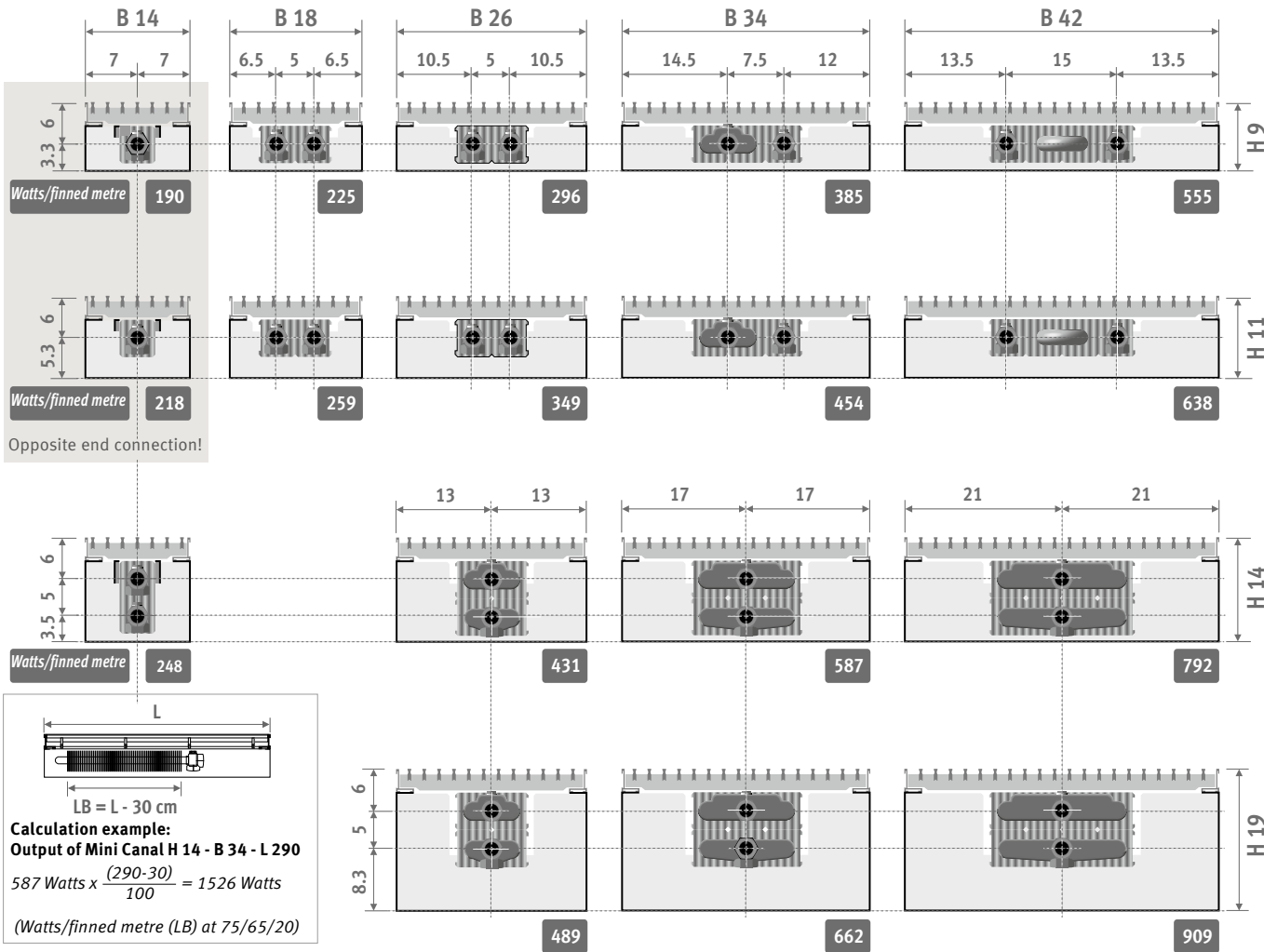
Our grilles and frames are available in all colours, with the exception of Sandblast grey 001. In case of intensive use (placement in circulation areas, for example in front of sliding windows and doors), wear is, of course, inevitable.



# MINI CANAL - SUMMARY

Building in-opening: height H + 1 cm, length L and width B + 0.5 cm!

## PRODUCT SUMMARY



### ORDERING CODE

#### WITH FRAME (L-PROFILE)

code	height	length	width	grille
MICL .	009	110	14 .	/XXX

fill in grille code

#### WITH COVER FRAME (Z-PROFILE)

code	height	length	width	grille
MICZ .	009	110	14 .	/XXX

fill in grille code

### DELIVERY

Pre-assembled, dark grey lacquered Mini Canal with:

- Low-H<sub>2</sub>O heat exchanger
- grille and mounted L-profile or Z-profile frame
- fixing straps
- air vent(s) 1/8" and drain plug(s) 1/2"

Mini Canal is also available with a cover frame. The cover frame facilitates a perfect finish with renovations or wooden floors.

### INSTALLATION

The Mini Canal is supplied completely mounted and ready for use. Suitable for installation onto rough concrete subfloors, in floating or suspended floors, or even into existing trenches. Optional 'Z' profile cover frame for mounting on the finished floor. If this isn't possible, the cover frame can be detached and be replaced when desired.

The cover frame allows the seam between the floor and the trench to be covered.

#### Installation

- Simple installation, with no on site assembly or joining of finned tubes.
- Position level on the finished floor using fixing straps or optional height control adjusters.
- Insert the pipework and close the opening.
- If necessary, provide an extra pipe for the thermostat head with remote control.
- Test the pressure of the installation.
- Finish the floor.

# COMPOSITION ■ MINI CANAL

**Frame (MICL)**  
in anodized aluminium,  
colour to match the grille



**Grille**  
a wide range of design types and colours in  
anodized aluminium, various wood finishes  
and stainless steel

**Contact strip**  
in black rubber (option).  
Avoids contact noises.

**Cover frame (MICZ)**  
in anodized aluminium,  
colour to match the grille



**Fixing straps**  
number depending on the length

**Mini duct**  
from Sendzimir galvanized and dark grey lacquered  
steel plate; thickness 1 mm, with connection holes  
on all sides

**Easy height adjustment** for uneven floors  
(option). Provided with acoustic decoupling.

**Air vent**

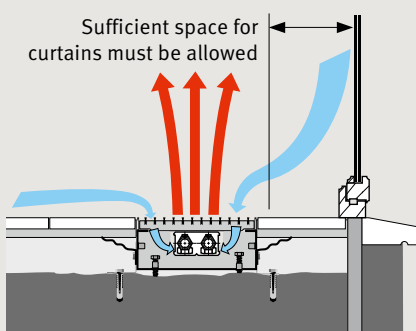
**Low-H<sub>2</sub>O heat exchanger**  
made of copper and aluminium,  
made «invisible» by a dark grey  
lacquer (RAL 7024)

**Brackets**  
from electrolytic gal-  
vanized and dark grey  
lacquered steel plate;  
thickness 1 mm

**Seals** for the  
connection holes, made of  
black synthetic material

**Pre-perforated system**  
for connections

## OPERATING PRINCIPLE



## EVEN COMFORT TEMPERATURE

The downward cold air flow associated with glazed façades often causes discomfort. Mini Canal ensures a warm air curtain: the cold air layer from the glass and the cooler return air on the floor are drawn in, heated and mixed with the warmer upper air so a balanced and even comfort temperature is achieved.

# MINI CANAL - INSTALLATION & CONNECTION

## CONNECTION

### Connection possibilities

There are several ways to connect the heat exchanger:

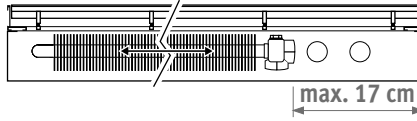
to the central control system, temperature regulators via room thermostat or BMS (no valve in the duct).

- with manual valve in the duct.

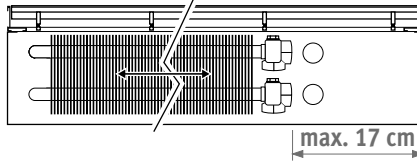
- with thermostatic valve in the duct: in this case it is best to provide a head with remote control outside the duct. Control is simple and the thermostat will provide better measurement of the ambient temperature.

### Maximum space for connection

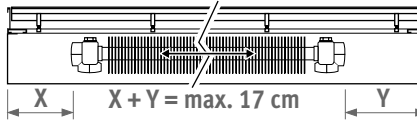
With same end connection, height 09 and 11.



With same end connection, height 14 and 19.

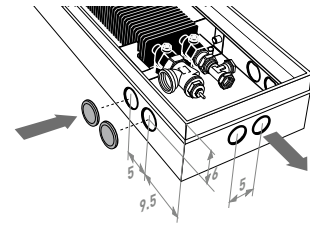


With opposite end connection. Width 14 and height 09 and 11.

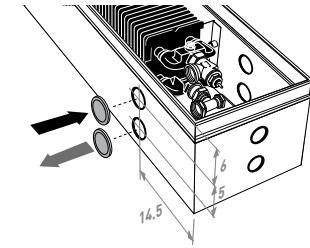


### Connection dimensions

Height 09 and 11



Height 14 and 19



## CONNECTION SETS

### Height 09 and 11

With thermostatic head in the duct



### Height 14 and 19

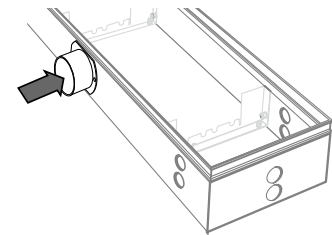
With thermostatic head in the duct



## AIR REFRESHMENT

### Mounted spigot connector for air supply channel

Not available with height 009 -011



With remote control



**set 271** **CODE 2-PIPE** €

**COMC.JH2.JB.4...** **90**

**COMC.JH2.RD.4...** **177**

fill in sleeve coupling code

Precision metal tube 14/1 **114**

Precision metal tube 15/1 **115**

Precision metal tube 16/1 **116**

RPE/ALU tube 16/2 **616**

With remote control



**set 272** **CODE 2-PIPE** €

**COMC.JV2.JB.4...** **85**

**COMC.JV2.RD.4...** **171**

fill in sleeve coupling code

Precision metal tube 14/1 **114**

Precision metal tube 15/1 **115**

Precision metal tube 16/1 **116**

RPE/ALU tube 16/2 **616**

CODE		€
/V1	1 spigot connection ø 80 mm	146
/V2	2 spigot connections ø 80 mm	217

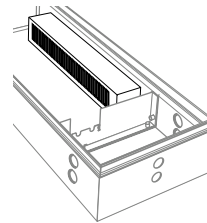
Add /V1 or /V2 to the Mini Canal code.

Example: MICL.014.110.14/XXX/V1

### Other systems

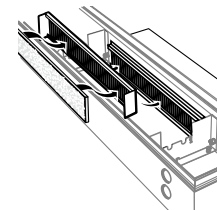
Air refreshment system 2

internal air supply collector



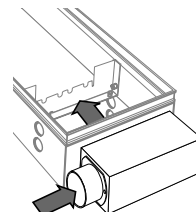
Air refreshment system 3

exterior air supply collector



Air refreshment system 4

air supply collector at headpiece



### Other thermostatic heads and sleeve couplings

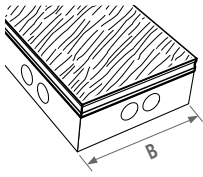
see chapter "Connection sets and valves Low-H2O" for all connection options and technical information.

For more information see:  
[www.jaga.com](http://www.jaga.com)



# OPTIONS - MINI CANAL

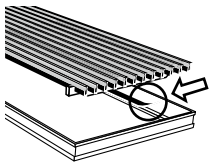
## COVER PLATE



In fibreboard, thickness 22 mm. Protects the duct against contamination and damage during construction works.

ORDERING CODE		code		length		width	
L	B	14	18	26	34	42	
110	25	26	27	31	33	33	
130	25	26	29	33	35	35	
150	26	27	31	35	38	38	
170	26	28	32	37	40	40	
190	27	29	33	38	43	43	
210	28	31	35	42	45	45	
230	28	32	37	43	47	47	
250	29	33	38	45	49	49	
270	31	35	40	47	52	52	
290	31	35	42	48	54	54	
310	32	36	43	50	57	57	
330	33	37	44	53	60	60	
370	35	40	47	57	66	66	
410	36	43	49	61	71	71	
450	38	44	53	66	76	76	
490	40	46	56	70	80	80	

## CONTACT STRIP



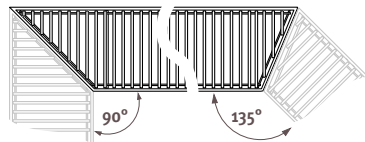
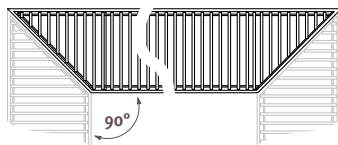
For aluminium and wood grilles (not for stainless steel). Black adhesive rubber strip, thickness 0.5 mm. To avoid contact noises. Order the number of

rolls required according to the circumference of the frame:  $(B + L) \times 2$ .

CODE	€
7690.02 Roll 6 metre	32

## CORNERS 135° OR 90°

For wooden and aluminium grilles.

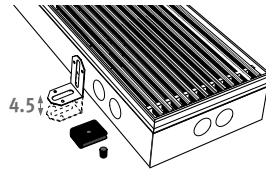


To order corner elements, please contact Jaga at: [export@jaga.be](mailto:export@jaga.be). Ducts and grilles delivered with mitre joints +connecting pieces for invisible mounting.

## DIFFERENT HEIGHT, WIDTH OR LENGTH

Contact Jaga.

## HEIGHT CONTROL

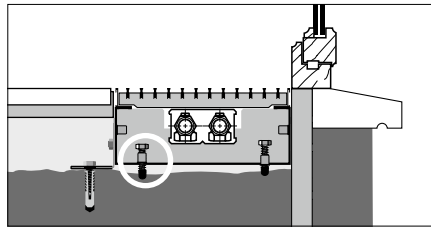


Simple height control for uneven subfloors. Provided with acoustic decoupling.

CODE	height control	€ /set
7690.01	0 - 4.5 cm	10,00
7690.04	4.5 - 10 cm	20

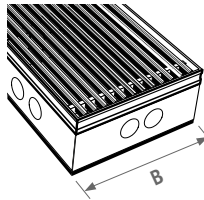
Recommended numbers for length:

1 set =		
	110 cm	2 sets
	130 > 190 cm	3 sets
	210 cm	5 sets
	230 > 310 cm	5 sets
	330 > 370 cm	7 sets
	410 cm	8 sets
	450 > 490 cm	10 sets



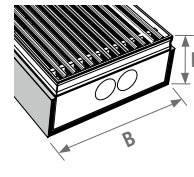
The height control option is always provided with extra adjusting screws in order to install the duct flat against the window frame.

## BASE INSULATION



In dark grey extruded EPDM, thickness 5 mm. Also to avoid transfer of noise when used on upper storeys. (Not available separately!)

## 3-SIDED INSULATION



In dark grey extruded EPDM, thickness 5 mm. (Not available separately!)

ORDERING CODE		code		height		length		width	
H	L	B 014	018	026	034	042			
009	110	45	45	46	46	47			
	130	47	47	48	48	49			
	150	48	49	49	50	52			
	170	50	50	52	53	54			
	190	53	53	54	56	57			
	210	54	56	57	59	60			
	230	57	57	60	61	62			
	250	60	60	62	64	67			
	270	61	62	64	67	70			
	290	64	64	67	70	74			
	310	67	67	70	74	76			
	330	68	70	74	76	78			
	370	75	75	78	79	83			
	410	78	79	82	84	88			
	450	82	83	86	89	93			
	490	85	88	90	94	98			
011	110	45	46	46	47	47			
	130	47	47	48	49	49			
	150	49	49	50	52	53			
	170	50	52	53	54	56			
	190	53	54	56	57	59			
	210	56	56	57	60	61			
	230	57	59	60	62	64			
	250	60	61	62	66	67			
	270	62	64	66	68	70			
	290	64	67	68	71	74			
	310	67	68	71	75	76			
	330	70	71	75	77	78			
	370	75	77	79	82	83			
	410	79	80	83	84	89			
	450	83	85	88	91	94			
	490	88	89	93	96	99			
014	110	46	---	47	47	48			
	130	48	---	48	49	50			
	150	49	---	52	52	53			
	170	52	---	54	54	56			
	190	54	---	56	57	60			
	210	57	---	59	61	62			
	230	60	---	61	64	66			
	250	61	---	64	67	68			
	270	64	---	67	70	71			
	290	67	---	70	74	75			
	310	70	---	74	76	78			
	330	71	---	76	78	80			
	370	77	---	80	83	85			
	410	82	---	85	88	91			
	450	85	---	90	93	96			
	490	90	---	95	99	101			
019	110	---	---	47	48	48			
	130	---	---	49	50	52			
	150	---	---	53	53	54			
	170	---	---	56	57	57			
	190	---	---	59	60	61			
	210	---	---	61	62	64			
	230	---	---	64	66	67			
	250	---	---	67	68	71			
	270	---	---	70	74	75			
	290	---	---	74	76	78			
	310	---	---	76	78	80			
	330	---	---	78	80	83			
	370	---	---	83	86	89			
	410	---	---	89	91	94			
	450	---	---	94	96	100			
	490	---	---	99	102	108			

# MINI CANAL - H009

MICL.009 LLL BB/XXX

	Watts 75/65	Watts 55/45	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
<b>L B 14</b>																
110	152	75	604	604	604	625	604	604	604	604	625	518	518	1057	604	625
130	190	94	695	695	695	719	695	695	695	695	719	592	592	1233	695	719
150	229	113	766	766	766	795	766	766	766	766	795	647	647	1388	766	795
170	267	132	878	878	878	910	878	878	878	878	910	744	744	1582	878	910
190	304	150	948	948	948	987	948	948	948	948	987	799	799	1738	948	987
210	342	169	1038	1038	1038	1079	1038	1038	1038	1038	1079	873	873	1910	1038	1079
230	381	188	1130	1130	1130	1175	1130	1130	1130	1130	1175	949	949	2084	1130	1175
250	419	207	1206	1206	1206	1255	1206	1206	1206	1206	1255	1008	1008	2242	1206	1255
270	457	226	1278	1278	1278	1331	1278	1278	1278	1278	1331	1066	1066	2401	1278	1331
290	495	245	1381	1381	1381	1439	1381	1381	1381	1381	1439	1151	1151	2585	1381	1439
310	533	264	1456	1456	1456	1520	1456	1456	1456	1456	1520	1214	1214	2746	1456	1520
330	571	282	1533	1533	1533	1602	1533	1533	1533	1533	1602	1274	1274	2907	1533	1602
370	647	320	1704	1704	1704	1778	1704	1704	1704	1704	1778	1412	1412	3244	1704	1778
410	723	358	1916	1916	1916	1999	1916	1916	1916	1916	1999	1593	1593	3622	1916	1999
450	800	396	2082	2082	2082	2174	2082	2082	2082	2082	2174	1728	1728	3958	2082	2174
490	875	433	2233	2233	2233	2331	2233	2233	2233	2233	2331	1846	1846	4275	2233	2331
<b>L B 18</b>																
110	180	89	623	623	623	655	623	623	623	623	655	550	550	1138	623	655
130	225	111	718	718	718	755	718	718	718	718	755	630	630	1326	718	755
150	271	134	792	792	792	836	792	792	792	792	836	689	689	1495	792	836
170	316	156	909	909	909	959	909	909	909	909	959	794	794	1708	909	959
190	360	178	986	986	986	1043	986	986	986	986	1043	856	856	1878	986	1043
210	406	201	1079	1079	1079	1140	1079	1079	1079	1079	1140	935	935	2067	1079	1140
230	451	223	1180	1180	1180	1248	1180	1180	1180	1180	1248	1022	1022	2263	1180	1248
250	496	245	1258	1258	1258	1331	1258	1258	1258	1258	1331	1089	1089	2435	1258	1331
270	541	268	1337	1337	1337	1415	1337	1337	1337	1337	1415	1152	1152	2610	1337	1415
290	586	290	1441	1441	1441	1524	1441	1441	1441	1441	1524	1241	1241	2806	1441	1524
310	631	312	1523	1523	1523	1612	1523	1523	1523	1523	1612	1310	1310	2983	1523	1612
330	676	334	1606	1606	1606	1701	1606	1606	1606	1606	1701	1380	1380	3159	1606	1701
370	767	379	1787	1787	1787	1892	1787	1787	1787	1787	1892	1531	1531	3530	1787	1892
410	856	423	2009	2009	2009	2127	2009	2009	2009	2009	2127	1727	1727	3941	2009	2127
450	947	468	2186	2186	2186	2317	2186	2186	2186	2186	2317	1875	1875	4310	2186	2317
490	1037	513	2345	2345	2345	2488	2345	2345	2345	2345	2488	2009	2009	4657	2345	2488
<b>L B 26</b>																
110	237	117	684	684	684	729	684	684	684	684	729	632	632	1274	684	729
130	296	146	787	787	787	841	787	787	787	787	841	725	725	1486	787	841
150	356	176	870	870	870	933	870	870	870	870	933	798	798	1677	870	933
170	415	205	998	998	998	1068	998	998	998	998	1068	915	915	1913	998	1068
190	474	234	1082	1082	1082	1161	1082	1082	1082	1082	1161	992	992	2105	1082	1161
210	534	264	1184	1184	1184	1272	1184	1184	1184	1184	1272	1084	1084	2315	1184	1272
230	593	293	1292	1292	1292	1391	1292	1292	1292	1292	1391	1183	1183	2534	1292	1391
250	652	322	1380	1380	1380	1485	1380	1380	1380	1380	1485	1260	1260	2727	1380	1485
270	711	352	1466	1466	1466	1580	1466	1466	1466	1466	1580	1336	1336	2923	1466	1580
290	771	381	1581	1581	1581	1703	1581	1581	1581	1581	1703	1442	1442	3146	1581	1703
310	830	411	1669	1669	1669	1799	1669	1669	1669	1669	1799	1522	1522	3344	1669	1799
330	889	440	1759	1759	1759	1899	1759	1759	1759	1759	1899	1603	1603	3543	1759	1899
370	1008	499	1957	1957	1957	2113	1957	1957	1957	1957	2113	1778	1778	3956	1957	2113
410	1126	557	2197	2197	2197	2369	2197	2197	2197	2197	2369	1999	1999	4411	2197	2369
450	1245	616	2390	2390	2390	2579	2390	2390	2390	2390	2579	2171	2171	4822	2390	2579
490	1363	674	2566	2566	2566	2771	2566	2566	2566	2566	2771	2329	2329	5214	2566	2771

Output at 20°C room temperature. Prices in €, VAT excluded.

Output correction factor: see pages 383.

Mini Canal is also available in a range of other lengths, from 70 cm: [www.jaga.com](http://www.jaga.com)

# H009 - MINI CANAL

MICL.009 LLL BB/XXX

	Watts 75/65	Watts 55/45	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
<b>L B 34</b>																
110	307	152	828	828	828	845	828	828	828	828	845	739	739	1533	828	845
130	385	190	956	956	956	976	956	956	956	956	976	848	848	1792	956	976
150	462	229	1064	1064	1064	1090	1064	1064	1064	1064	1090	941	941	2030	1064	1090
170	538	266	1226	1226	1226	1254	1226	1226	1226	1226	1254	1087	1087	2321	1226	1254
190	615	304	1337	1337	1337	1367	1337	1337	1337	1337	1367	1181	1181	2561	1337	1367
210	692	342	1489	1489	1489	1524	1489	1489	1489	1489	1524	1318	1318	2844	1489	1524
230	769	380	1632	1632	1632	1670	1632	1632	1632	1632	1670	1444	1444	3119	1632	1670
250	846	418	1748	1748	1748	1791	1748	1748	1748	1748	1791	1542	1542	3363	1748	1791
270	923	457	1865	1865	1865	1909	1865	1865	1865	1865	1909	1642	1642	3608	1865	1909
290	1000	495	2003	2003	2003	2052	2003	2003	2003	2003	2052	1766	1766	3878	2003	2052
310	1076	532	2126	2126	2126	2177	2126	2126	2126	2126	2177	1871	1871	4129	2126	2177
330	1154	571	2242	2242	2242	2298	2242	2242	2242	2242	2298	1969	1969	4375	2242	2298
370	1307	646	2494	2494	2494	2556	2494	2494	2494	2494	2556	2190	2190	4888	2494	2556
410	1461	723	2792	2792	2792	2858	2792	2792	2792	2792	2858	2454	2454	5444	2792	2858
450	1615	799	3043	3043	3043	3115	3043	3043	3043	3043	3115	2671	2671	5951	3043	3115
490	1769	875	3271	3271	3271	3355	3271	3271	3271	3271	3355	2869	2869	6443	3271	3355

	Watts 75/65	Watts 55/45	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
<b>L B 42</b>																
110	445	220	913	913	913	963	913	913	913	913	963	845	845	1913	913	963
130	555	275	1053	1053	1053	1114	1053	1053	1053	1053	1114	974	974	2239	1053	1114
150	666	329	1202	1202	1202	1271	1202	1202	1202	1202	1271	1111	1111	2571	1202	1271
170	778	385	1388	1388	1388	1465	1388	1388	1388	1388	1465	1282	1282	2937	1388	1465
190	888	439	1514	1514	1514	1601	1514	1514	1514	1514	1601	1398	1398	3249	1514	1601
210	1000	495	1656	1656	1656	1751	1656	1656	1656	1656	1751	1528	1528	3577	1656	1751
230	1111	550	1826	1826	1826	1933	1826	1826	1826	1826	1933	1687	1687	3931	1826	1933
250	1221	604	1958	1958	1958	2073	1958	1958	1958	1958	2073	1807	1807	4245	1958	2073
270	1333	659	2088	2088	2088	2211	2088	2088	2088	2088	2211	1921	1921	4558	2088	2211
290	1444	714	2246	2246	2246	2379	2246	2246	2246	2246	2379	2071	2071	4902	2246	2379
310	1555	769	2391	2391	2391	2534	2391	2391	2391	2391	2534	2202	2202	5230	2391	2534
330	1666	824	2541	2541	2541	2693	2541	2541	2541	2541	2693	2342	2342	5565	2541	2693
370	1888	934	2834	2834	2834	3003	2834	2834	2834	2834	3003	2606	2606	6223	2834	3003
410	2111	1044	3170	3170	3170	3356	3170	3170	3170	3170	3356	2918	2918	6927	3170	3356
450	2332	1153	3455	3455	3455	3661	3455	3455	3455	3455	3661	3179	3179	7582	3455	3661
490	2555	1264	3726	3726	3726	3949	3726	3726	3726	3726	3949	3426	3426	8220	3726	3949

Output at 20°C room temperature. Prices in €, VAT excluded.

## GRILLE CODES

### Designo rigid aluminium grilles



**DNA** natural coloured  
**DBL** black  
**DDB** dark brown  
**DBR** brass coloured  
**DNC/XXX** (colour) lacquered

### Designo roll-up wooden grilles



**DMN** merbau  
**DMV** varnished  
**DON** oak  
**DOV** varnished  
**DBN** beech  
**DBV** varnished

### Rigid aluminium grilles



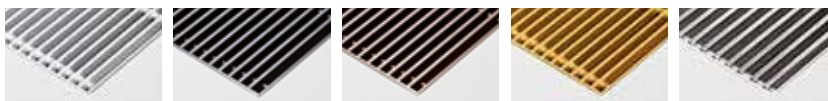
**SNA** natural coloured  
**SBL** black  
**SDB** dark brown  
**SBR** brass coloured  
**SNC/XXX** (colour) lacquered

### Roll-up wooden grilles



**RMN** merbau  
**RMV** varnished  
**RON** oak  
**ROV** varnished  
**RBN** beech  
**RBV** varnished

### Roll-up aluminium grilles



**RNA** natural coloured  
**RBL** black  
**RDB** dark brown  
**RBR** brass coloured  
**RSS** stainless steel

# MINI CANAL - H011

MICL.011 LLL BB/XXX

	Watts 75/65	Watts 55/45	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
<b>L B 14</b>																
110	175	87	609	609	609	632	609	609	609	609	632	522	522	1064	609	632
130	218	108	701	701	701	726	701	701	701	701	726	600	600	1238	701	726
150	262	130	773	773	773	802	773	773	773	773	802	654	654	1394	773	802
170	306	151	886	886	886	921	886	886	886	886	921	752	752	1588	886	921
190	349	173	959	959	959	996	959	959	959	959	996	809	809	1747	959	996
210	393	194	1049	1049	1049	1091	1049	1049	1049	1049	1091	884	884	1919	1049	1091
230	437	216	1141	1141	1141	1188	1141	1141	1141	1141	1188	962	962	2097	1141	1188
250	480	237	1218	1218	1218	1268	1218	1218	1218	1218	1268	1021	1021	2257	1218	1268
270	524	259	1292	1292	1292	1347	1292	1292	1292	1292	1347	1079	1079	2414	1292	1347
290	568	281	1395	1395	1395	1453	1395	1395	1395	1395	1453	1168	1168	2601	1395	1453
310	612	303	1473	1473	1473	1536	1473	1473	1473	1473	1536	1228	1228	2761	1473	1536
330	655	324	1553	1553	1553	1617	1553	1553	1553	1553	1617	1291	1291	2924	1553	1617
370	743	368	1724	1724	1724	1797	1724	1724	1724	1724	1797	1434	1434	3265	1724	1797
410	830	411	1938	1938	1938	2020	1938	1938	1938	1938	2020	1614	1614	3644	1938	2020
450	917	454	2106	2106	2106	2197	2106	2106	2106	2106	2197	1750	1750	3980	2106	2197
490	1005	497	2261	2261	2261	2357	2261	2261	2261	2261	2357	1872	1872	4298	2261	2357
<b>L B 18</b>																
110	207	102	628	628	628	660	628	628	628	628	660	554	554	1143	628	660
130	259	128	724	724	724	762	724	724	724	724	762	635	635	1333	724	762
150	310	153	799	799	799	842	799	799	799	799	842	696	696	1502	799	842
170	363	180	917	917	917	966	917	917	917	917	966	799	799	1714	917	966
190	414	205	994	994	994	1049	994	994	994	994	1049	863	863	1887	994	1049
210	466	230	1089	1089	1089	1149	1089	1089	1089	1089	1149	945	945	2077	1089	1149
230	518	256	1189	1189	1189	1256	1189	1189	1189	1189	1256	1031	1031	2271	1189	1256
250	569	281	1269	1269	1269	1344	1269	1269	1269	1269	1344	1098	1098	2446	1269	1344
270	622	308	1350	1350	1350	1428	1350	1350	1350	1350	1428	1164	1164	2620	1350	1428
290	673	333	1453	1453	1453	1538	1453	1453	1453	1453	1538	1255	1255	2820	1453	1538
310	725	359	1536	1536	1536	1625	1536	1536	1536	1536	1625	1322	1322	2998	1536	1625
330	777	384	1619	1619	1619	1715	1619	1619	1619	1619	1715	1394	1394	3175	1619	1715
370	881	436	1799	1799	1799	1909	1799	1799	1799	1799	1909	1545	1545	3546	1799	1909
410	984	487	2025	2025	2025	2145	2025	2025	2025	2025	2145	1745	1745	3960	2025	2145
450	1087	538	2203	2203	2203	2333	2203	2203	2203	2203	2333	1894	1894	4327	2203	2333
490	1191	589	2364	2364	2364	2508	2364	2364	2364	2364	2508	2027	2027	4677	2364	2508
<b>L B 26</b>																
110	279	138	694	694	694	740	694	694	694	694	740	641	641	1282	694	740
130	349	173	797	797	797	853	797	797	797	797	853	735	735	1495	797	853
150	420	208	882	882	882	945	882	882	882	882	945	810	810	1688	882	945
170	489	242	1011	1011	1011	1082	1011	1011	1011	1011	1082	930	930	1925	1011	1082
190	559	276	1096	1096	1096	1175	1096	1096	1096	1096	1175	1005	1005	2121	1096	1175
210	629	311	1198	1198	1198	1288	1198	1198	1198	1198	1288	1099	1099	2331	1198	1288
230	699	346	1310	1310	1310	1405	1310	1310	1310	1310	1405	1196	1196	2549	1310	1405
250	769	380	1398	1398	1398	1501	1398	1398	1398	1398	1501	1278	1278	2746	1398	1501
270	839	415	1487	1487	1487	1601	1487	1487	1487	1487	1601	1357	1357	2942	1487	1601
290	909	450	1604	1604	1604	1724	1604	1604	1604	1604	1724	1462	1462	3167	1604	1724
310	978	484	1694	1694	1694	1824	1694	1694	1694	1694	1824	1543	1543	3367	1694	1824
330	1048	518	1787	1787	1787	1924	1787	1787	1787	1787	1924	1627	1627	3568	1787	1924
370	1188	588	1984	1984	1984	2140	1984	1984	1984	1984	2140	1807	1807	3983	1984	2140
410	1328	657	2230	2230	2230	2401	2230	2230	2230	2230	2401	2030	2030	4445	2230	2401
450	1468	726	2424	2424	2424	2613	2424	2424	2424	2424	2613	2206	2206	4854	2424	2613
490	1608	795	2602	2602	2602	2806	2602	2602	2602	2602	2806	2367	2367	5251	2602	2806

Output at 20°C room temperature. Prices in €, VAT excluded.

Output correction factor: see pages 383

Mini Canal is also available in a range of other lengths, from 70 cm: [www.jaga.com](http://www.jaga.com)

# H011 - MINI CANAL

MICL.011 LLL BB/XXX

	Watts 75/65	Watts 55/45	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
<b>L B 34</b>																
110	363	180	837	837	837	856	837	837	837	837	856	746	746	1541	837	856
130	454	225	966	966	966	987	966	966	966	966	987	860	860	1801	966	987
150	544	269	1077	1077	1077	1100	1077	1077	1077	1077	1100	954	954	2043	1077	1100
170	636	315	1238	1238	1238	1267	1238	1238	1238	1238	1267	1098	1098	2332	1238	1267
190	726	359	1351	1351	1351	1382	1351	1351	1351	1351	1382	1193	1193	2576	1351	1382
210	817	404	1505	1505	1505	1540	1505	1505	1505	1505	1540	1333	1333	2859	1505	1540
230	908	449	1652	1652	1652	1691	1652	1652	1652	1652	1691	1462	1462	3137	1652	1691
250	998	494	1769	1769	1769	1809	1769	1769	1769	1769	1809	1564	1564	3381	1769	1809
270	1090	539	1883	1883	1883	1929	1883	1883	1883	1883	1929	1661	1661	3628	1883	1929
290	1180	584	2026	2026	2026	2075	2026	2026	2026	2026	2075	1789	1789	3900	2026	2075
310	1271	629	2150	2150	2150	2201	2150	2150	2150	2150	2201	1894	1894	4154	2150	2201
330	1362	674	2266	2266	2266	2322	2266	2266	2266	2266	2322	1996	1996	4402	2266	2322
370	1544	764	2523	2523	2523	2585	2523	2523	2523	2523	2585	2219	2219	4917	2523	2585
410	1725	853	2823	2823	2823	2890	2823	2823	2823	2823	2890	2487	2487	5475	2823	2890
450	1906	943	3074	3074	3074	3150	3074	3074	3074	3074	3150	2706	2706	5988	3074	3150
490	2088	1033	3311	3311	3311	3393	3311	3311	3311	3311	3393	2907	2907	6481	3311	3393

	Watts 75/65	Watts 55/45	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
<b>L B 42</b>																
110	510	252	922	922	922	971	922	922	922	922	971	856	856	1920	922	971
130	638	316	1064	1064	1064	1126	1064	1064	1064	1064	1126	986	986	2248	1064	1126
150	766	379	1215	1215	1215	1281	1215	1215	1215	1215	1281	1122	1122	2582	1215	1281
170	893	442	1400	1400	1400	1477	1400	1400	1400	1400	1477	1298	1298	2953	1400	1477
190	1021	505	1527	1527	1527	1614	1527	1527	1527	1527	1614	1412	1412	3265	1527	1614
210	1148	568	1672	1672	1672	1771	1672	1672	1672	1672	1771	1544	1544	3593	1672	1771
230	1276	631	1844	1844	1844	1951	1844	1844	1844	1844	1951	1704	1704	3948	1844	1951
250	1404	694	1979	1979	1979	2093	1979	1979	1979	1979	2093	1825	1825	4266	1979	2093
270	1531	757	2107	2107	2107	2232	2107	2107	2107	2107	2232	1943	1943	4580	2107	2232
290	1659	821	2268	2268	2268	2402	2268	2268	2268	2268	2402	2093	2093	4925	2268	2402
310	1786	883	2414	2414	2414	2557	2414	2414	2414	2414	2557	2224	2224	5254	2414	2557
330	1914	947	2569	2569	2569	2718	2569	2569	2569	2569	2718	2367	2367	5592	2569	2718
370	2169	1073	2860	2860	2860	3030	2860	2860	2860	2860	3030	2634	2634	6252	2860	3030
410	2424	1199	3199	3199	3199	3388	3199	3199	3199	3199	3388	2951	2951	6957	3199	3388
450	2680	1326	3491	3491	3491	3698	3491	3491	3491	3491	3698	3216	3216	7617	3491	3698
490	2935	1452	3763	3763	3763	3987	3763	3763	3763	3763	3987	3463	3463	8257	3763	3987

Output at 20°C room temperature. Prices in €, VAT excluded.

## GRILLE CODES

### Designo rigid aluminium grilles



**DNA** natural coloured    **DBL** black    **DDB** dark brown    **DBR** brass coloured    **DNC/XXX (colour)** lacquered

### Designo roll-up wooden grilles



**DMN** merbau    **DON** oak    **DBN** beech  
**DMV** varnished    **DOV** varnished    **DBV** varnished

### Rigid aluminium grilles



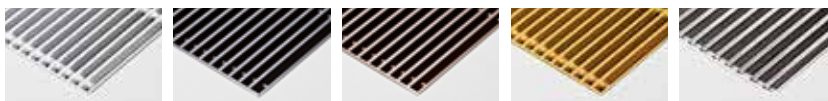
**SNA** natural coloured    **SBL** black    **SDB** dark brown    **SBR** brass coloured    **SNC/XXX (colour)** lacquered

### roll-up wooden grilles



**RMN** merbau    **RON** oak    **RBN** beech  
**RMV** varnished    **ROV** varnished    **RBV** varnished

### Roll-up aluminium grilles



**RNA** natural coloured    **RBL** black    **RDB** dark brown    **RBR** brass coloured    **RSS** stainless steel

# MINI CANAL - H014

MICL.014 LLL BB/XXX

	Watts 75/65	Watts 55/45	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RBA RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
<b>L B 14</b>																
110	198	98	645	645	645	667	645	645	645	645	667	558	558	1099	645	667
130	248	123	741	741	741	767	741	741	741	741	767	638	638	1278	741	767
150	298	147	818	818	818	846	818	818	818	818	846	698	698	1438	818	846
170	347	172	935	935	935	970	935	935	935	935	970	802	802	1642	935	970
190	397	196	1014	1014	1014	1052	1014	1014	1014	1014	1052	865	865	1801	1014	1052
210	446	221	1109	1109	1109	1151	1109	1109	1109	1109	1151	945	945	1981	1109	1151
230	496	245	1211	1211	1211	1256	1211	1211	1211	1211	1256	1029	1029	2166	1211	1256
250	546	270	1290	1290	1290	1341	1290	1290	1290	1290	1341	1094	1094	2329	1290	1341
270	595	294	1368	1368	1368	1424	1368	1368	1368	1368	1424	1157	1157	2492	1368	1424
290	645	319	1477	1477	1477	1537	1477	1477	1477	1477	1537	1250	1250	2682	1477	1537
310	694	343	1560	1560	1560	1623	1560	1560	1560	1560	1623	1316	1316	2849	1560	1623
330	744	368	1645	1645	1645	1710	1645	1645	1645	1645	1710	1384	1384	3015	1645	1710
370	843	417	1826	1826	1826	1899	1826	1826	1826	1826	1899	1533	1533	3364	1826	1899
410	942	466	2051	2051	2051	2135	2051	2051	2051	2051	2135	1728	1728	3759	2051	2135
450	1042	515	2231	2231	2231	2321	2231	2231	2231	2231	2321	1874	1874	4104	2231	2321
490	1141	564	2391	2391	2391	2490	2391	2391	2391	2391	2490	2003	2003	4430	2391	2490

	Watts 75/65	Watts 55/45	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RBA RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
<b>L B 26</b>																
110	345	171	748	748	748	795	748	748	748	748	795	696	696	1338	748	795
130	431	213	859	859	859	914	859	859	859	859	914	797	797	1558	859	914
150	516	255	950	950	950	1013	950	950	950	950	1013	881	881	1756	950	1013
170	603	298	1092	1092	1092	1162	1092	1092	1092	1092	1162	1011	1011	2005	1092	1162
190	689	341	1186	1186	1186	1265	1186	1186	1186	1186	1265	1095	1095	2209	1186	1265
210	775	383	1298	1298	1298	1384	1298	1298	1298	1298	1384	1194	1194	2429	1298	1384
230	861	426	1418	1418	1418	1518	1418	1418	1418	1418	1518	1310	1310	2660	1418	1518
250	947	468	1519	1519	1519	1623	1519	1519	1519	1519	1623	1398	1398	2867	1519	1623
270	1034	511	1613	1613	1613	1727	1613	1613	1613	1613	1727	1485	1485	3070	1613	1727
290	1119	553	1739	1739	1739	1860	1739	1739	1739	1739	1860	1600	1600	3303	1739	1860
310	1206	597	1834	1834	1834	1963	1834	1834	1834	1834	1963	1685	1685	3506	1834	1963
330	1292	639	1930	1930	1930	2068	1930	1930	1930	1930	2068	1772	1772	3710	1930	2068
370	1464	724	2141	2141	2141	2299	2141	2141	2141	2141	2299	1963	1963	4142	2141	2299
410	1636	809	2401	2401	2401	2572	2401	2401	2401	2401	2572	2202	2202	4616	2401	2572
450	1808	894	2610	2610	2610	2797	2610	2610	2610	2610	2797	2392	2392	5041	2610	2797
490	1980	979	2801	2801	2801	3008	2801	2801	2801	2801	3008	2566	2566	5451	2801	3008

Output at 20°C room temperature. Prices in €, VAT excluded.

Output correction factor: see pages 383.

See Mini Canal Hybrid for up to 300% more output

Mini Canal is also available in a range of other lengths, from 70 cm: [www.jaga.com](http://www.jaga.com)

# H014 - MINI CANAL

MICL.014 LLL BB/XXX

	Watts 75/65	Watts 55/45	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
<b>L B 34</b>																
110	470	232	907	907	907	925	907	907	907	907	925	818	818	1612	907	925
130	587	290	1048	1048	1048	1068	1048	1048	1048	1048	1068	941	941	1882	1048	1068
150	705	349	1168	1168	1168	1191	1168	1168	1168	1168	1191	1045	1045	2131	1168	1191
170	822	407	1347	1347	1347	1375	1347	1347	1347	1347	1375	1208	1208	2443	1347	1375
190	940	465	1470	1470	1470	1500	1470	1470	1470	1470	1500	1313	1313	2695	1470	1500
210	1057	523	1644	1644	1644	1678	1644	1644	1644	1644	1678	1471	1471	2999	1644	1678
230	1175	581	1810	1810	1810	1849	1810	1810	1810	1810	1849	1622	1622	3295	1810	1849
250	1292	639	1938	1938	1938	1980	1938	1938	1938	1938	1980	1732	1732	3552	1938	1980
270	1409	697	2066	2066	2066	2110	2066	2066	2066	2066	2110	1842	1842	3809	2066	2110
290	1527	755	2219	2219	2219	2267	2219	2219	2219	2219	2267	1981	1981	4095	2219	2267
310	1644	813	2346	2346	2346	2396	2346	2346	2346	2346	2396	2090	2090	4350	2346	2396
330	1762	872	2475	2475	2475	2533	2475	2475	2475	2475	2533	2205	2205	4612	2475	2533
370	1997	988	2752	2752	2752	2812	2752	2752	2752	2752	2812	2446	2446	5144	2752	2812
410	2232	1104	3070	3070	3070	3138	3070	3070	3070	3070	3138	2732	2732	5722	3070	3138
450	2467	1220	3341	3341	3341	3416	3341	3341	3341	3341	3416	2969	2969	6252	3341	3416
490	2702	1336	3595	3595	3595	3677	3595	3595	3595	3595	3677	3190	3190	6766	3595	3677

	Watts 75/65	Watts 55/45	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
<b>L B 42</b>																
110	633	313	1008	1008	1008	1057	1008	1008	1008	1008	1057	941	941	2009	1008	1057
130	792	392	1166	1166	1166	1224	1166	1166	1166	1166	1224	1088	1088	2350	1166	1224
150	950	470	1334	1334	1334	1402	1334	1334	1334	1334	1402	1241	1241	2703	1334	1402
170	1108	548	1543	1543	1543	1622	1543	1543	1543	1543	1622	1441	1441	3096	1543	1622
190	1267	627	1686	1686	1686	1773	1686	1686	1686	1686	1773	1569	1569	3422	1686	1773
210	1425	705	1846	1846	1846	1940	1846	1846	1846	1846	1940	1716	1716	3764	1846	1940
230	1583	783	2044	2044	2044	2148	2044	2044	2044	2044	2148	1904	1904	4148	2044	2148
250	1742	862	2190	2190	2190	2304	2190	2190	2190	2190	2304	2039	2039	4481	2190	2304
270	1900	940	2335	2335	2335	2460	2335	2335	2335	2335	2460	2171	2171	4807	2335	2460
290	2058	1018	2511	2511	2511	2644	2511	2511	2511	2511	2644	2333	2333	5168	2511	2644
310	2217	1097	2658	2658	2658	2798	2658	2658	2658	2658	2798	2468	2468	5498	2658	2798
330	2375	1175	2805	2805	2805	2960	2805	2805	2805	2805	2960	2606	2606	5830	2805	2960
370	2692	1332	3122	3122	3122	3290	3122	3122	3122	3122	3290	2896	2896	6512	3122	3290
410	3008	1488	3480	3480	3480	3667	3480	3480	3480	3480	3667	3231	3231	7241	3480	3667
450	3325	1645	3791	3791	3791	3995	3791	3791	3791	3791	3995	3516	3516	7917	3791	3995
490	3642	1801	4082	4082	4082	4309	4082	4082	4082	4082	4309	3785	3785	8578	4082	4309

Output at 20°C room temperature. Prices in €, VAT excluded.

## GRILLE CODES

### Designo rigid aluminium grilles



**DNA** natural coloured    **DBL** black    **DDB** dark brown    **DBR** brass coloured    **DNC/XXX (colour)** lacquered

### Designo roll-up wooden grilles



**DMN** merbau    **DON** oak    **DBN** beech  
**DMV** varnished    **DOV** varnished    **DBV** varnished

### Rigid aluminium grilles



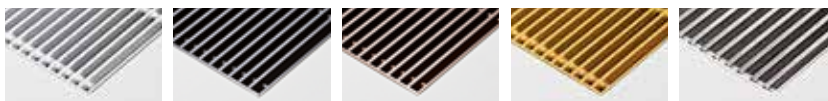
**SNA** natural coloured    **SBL** black    **SDB** dark brown    **SBR** brass coloured    **SNC/XXX (colour)** lacquered

### Roll-up wooden grilles



**RMN** merbau    **RON** oak    **RBN** beech  
**RMV** varnished    **ROV** varnished    **RBV** varnished

### Roll-up aluminium grilles



**RNA** natural coloured    **RBL** black    **RDB** dark brown    **RBR** brass coloured    **RSS** stainless steel

# MINI CANAL - H019

MICL.019 LLL BB/XXX

	Watts 75/65	Watts 55/45	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
<b>L B 26</b>																
110	392	194	771	771	771	818	771	771	771	771	818	718	718	1360	771	818
130	489	242	887	887	887	941	887	887	887	887	941	824	824	1584	887	941
150	587	290	981	981	981	1046	981	981	981	981	1046	910	910	1790	981	1046
170	685	339	1129	1129	1129	1198	1129	1129	1129	1129	1198	1048	1048	2044	1129	1198
190	782	387	1226	1226	1226	1305	1226	1226	1226	1226	1305	1136	1136	2248	1226	1305
210	881	436	1344	1344	1344	1430	1344	1344	1344	1344	1430	1240	1240	2473	1344	1430
230	978	484	1471	1471	1471	1567	1471	1471	1471	1471	1567	1359	1359	2711	1471	1567
250	1076	532	1571	1571	1571	1677	1571	1571	1571	1571	1677	1449	1449	2920	1571	1677
270	1174	581	1670	1670	1670	1787	1670	1670	1670	1670	1787	1541	1541	3129	1670	1787
290	1271	629	1799	1799	1799	1921	1799	1799	1799	1799	1921	1661	1661	3364	1799	1921
310	1370	678	1902	1902	1902	2032	1902	1902	1902	1902	2032	1750	1750	3574	1902	2032
330	1467	726	2000	2000	2000	2139	2000	2000	2000	2000	2139	1841	1841	3784	2000	2139
370	1663	823	2222	2222	2222	2379	2222	2222	2222	2222	2379	2045	2045	4223	2222	2379
410	1859	920	2490	2490	2490	2662	2490	2490	2490	2490	2662	2291	2291	4705	2490	2662
450	2054	1016	2707	2707	2707	2897	2707	2707	2707	2707	2897	2491	2491	5141	2707	2897
490	2250	1113	2909	2909	2909	3114	2909	2909	2909	2909	3114	2674	2674	5557	2909	3114

	Watts 75/65	Watts 55/45	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
<b>L B 34</b>																
110	530	262	930	930	930	948	930	930	930	930	948	839	839	1634	930	948
130	662	327	1075	1075	1075	1096	1075	1075	1075	1075	1096	969	969	1912	1075	1096
150	795	393	1196	1196	1196	1222	1196	1196	1196	1196	1222	1075	1075	2165	1196	1222
170	927	459	1383	1383	1383	1409	1383	1383	1383	1383	1409	1242	1242	2478	1383	1409
190	1059	524	1511	1511	1511	1541	1511	1511	1511	1511	1541	1354	1354	2737	1511	1541
210	1192	590	1688	1688	1688	1724	1688	1688	1688	1688	1724	1518	1518	3045	1688	1724
230	1324	655	1860	1860	1860	1898	1860	1860	1860	1860	1898	1670	1670	3346	1860	1898
250	1457	721	1994	1994	1994	2034	1994	1994	1994	1994	2034	1788	1788	3606	1994	2034
270	1590	786	2124	2124	2124	2168	2124	2124	2124	2124	2168	1903	1903	3869	2124	2168
290	1721	851	2284	2284	2284	2331	2284	2284	2284	2284	2331	2045	2045	4157	2284	2331
310	1854	917	2413	2413	2413	2464	2413	2413	2413	2413	2464	2158	2158	4415	2413	2464
330	1987	983	2548	2548	2548	2603	2548	2548	2548	2548	2603	2278	2278	4681	2548	2603
370	2252	1114	2834	2834	2834	2894	2834	2834	2834	2834	2894	2530	2530	5227	2834	2894
410	2516	1244	3159	3159	3159	3230	3159	3159	3159	3159	3230	2823	2823	5813	3159	3230
450	2781	1376	3441	3441	3441	3515	3441	3441	3441	3441	3515	3070	3070	6351	3441	3515
490	3046	1507	3704	3704	3704	3784	3704	3704	3704	3704	3784	3297	3297	6873	3704	3784

	Watts 75/65	Watts 55/45	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
<b>L B 42</b>																
110	728	360	1031	1031	1031	1082	1031	1031	1031	1031	1082	965	965	2032	1031	1082
130	909	450	1193	1193	1193	1254	1193	1193	1193	1193	1254	1115	1115	2377	1193	1254
150	1091	540	1366	1366	1366	1437	1366	1366	1366	1366	1437	1275	1275	2737	1366	1437
170	1273	630	1581	1581	1581	1659	1581	1581	1581	1581	1659	1477	1477	3131	1581	1659
190	1455	720	1727	1727	1727	1813	1727	1727	1727	1727	1813	1611	1611	3462	1727	1813
210	1637	810	1891	1891	1891	1986	1891	1891	1891	1891	1986	1764	1764	3812	1891	1986
230	1819	900	2095	2095	2095	2200	2095	2095	2095	2095	2200	1955	1955	4199	2095	2200
250	2001	990	2245	2245	2245	2360	2245	2245	2245	2245	2360	2094	2094	4535	2245	2360
270	2182	1079	2396	2396	2396	2519	2396	2396	2396	2396	2519	2232	2232	4868	2396	2519
290	2365	1170	2578	2578	2578	2710	2578	2578	2578	2578	2710	2401	2401	5232	2578	2710
310	2547	1260	2726	2726	2726	2869	2726	2726	2726	2726	2869	2538	2538	5565	2726	2869
330	2728	1349	2881	2881	2881	3030	2881	2881	2881	2881	3030	2679	2679	5903	2881	3030
370	3092	1529	3204	3204	3204	3374	3204	3204	3204	3204	3374	2979	2979	6594	3204	3374
410	3456	1709	3571	3571	3571	3760	3571	3571	3571	3571	3760	3320	3320	7330	3571	3760
450	3820	1889	3892	3892	3892	4098	3892	3892	3892	3892	4098	3617	3617	8019	3892	4098
490	4184	2070	4194	4194	4194	4419	4194	4194	4194	4194	4419	3895	3895	8689	4194	4419

Output at 20°C room temperature. Prices in €, VAT excluded.

Output correction factor: see pages 383

See Mini Canal Hybrid for up to 300% more output

Mini Canal is also available in a range of other lengths, from 70 cm: [www.jaga.com](http://www.jaga.com)





## GRILLE CODES

### Designo rigid aluminium grilles



**DNA** natural coloured    **DBL** black    **DDB** dark brown    **DBR** brass coloured    **DNC/XXX** (colour) lacquered

### Rigid aluminium grilles



**SNA** natural coloured    **SBL** black    **SDB** dark brown    **SBR** brass coloured    **SNC/XXX** (colour) lacquered

### Roll-up aluminium grilles



**RNA** natural coloured    **RBL** black    **RDB** dark brown    **RBR** brass coloured    **RSS** stainless steel

### Designo roll-up wooden grilles



**DMN** merbau    **DON** oak    **DBN** beech  
**DMV** varnished    **DOV** varnished    **DBV** varnished

### roll-up wooden grilles



**RMN** merbau    **RON** oak    **RBN** beech  
**RMV** varnished    **ROV** varnished    **RBV** varnished

# jaga

CLIMATE DESIGNERS

## MICRO CANAL

Maximum warmth, minimum dimensions

The latest Jaga trench heating solution is only 6 cm high and 13 cm wide. With small, but powerful dynamic Low-H<sub>2</sub>O heat exchangers and super-quiet fans that are no wider than a thermostatic radiator valve, it creates immense power. Micro Canal combines minimalist aesthetics and architectural freedom with a power that breaks all temperature records! Micro Canal integrates harmoniously with any interior. This provides every architect, designer or engineer the greatest possible design freedom on any project without making any compromises for the heating system.

By making use of the latest EC-motors, the Clima Canal units use 50 % less electrical energy. Moreover, these EC-motors can be controlled through the latest home automation systems via their 0-10 VDC speed control.





MICRO CANAL

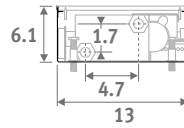
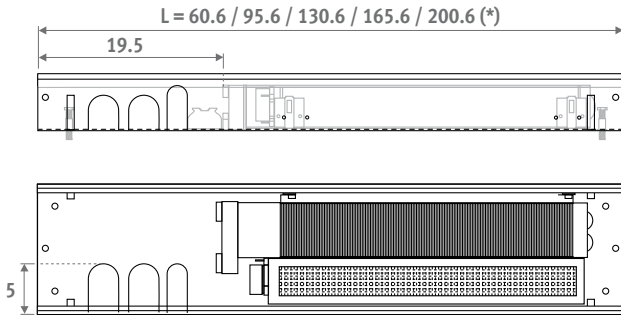


# MICRO CANAL



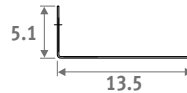
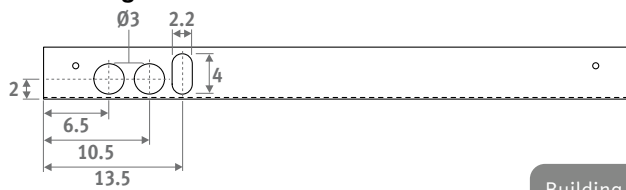
## DIMENSIONS (in cm)

### Inner casing



(\*) In case of through-mounting, do not install the intermediate tops. Reduce length by 3 mm for each top.

### Outer casing



Building in-opening: +0.5 cm

## ORDERING CODE

code	height	length	width	grille
MIRF .	006	060	14	./SSS
<i>fill in grille code</i>				

## STANDARD DELIVERY

- stainless steel grille
- outer casing with anchorage elements
- polyethylene-protective mounting block(s) and three connection holes on the left hand side
- pre-assembled internal duct with stainless steel grille support
- tangential activator(s) 24 VDC and integrated stainless steel filter
- dynamic heat exchanger with flexible 1/2" stainless steel connectors, length 15 cm
- height adjustment with fine adjustment for alignment with the finished floor.

With energy efficient EC motor

## HYDRAULIC CONNECTION

- one-sided 2-pipe connection on the left
- always install Micro Canal with the heat exchanger on the window or wall side
- 2 x 1/2" stainless steel hose included
- allow extra space for curtains, in between the window and the Micro Canal.
- The heat exchanger must always be kept accessible for maintenance purposes

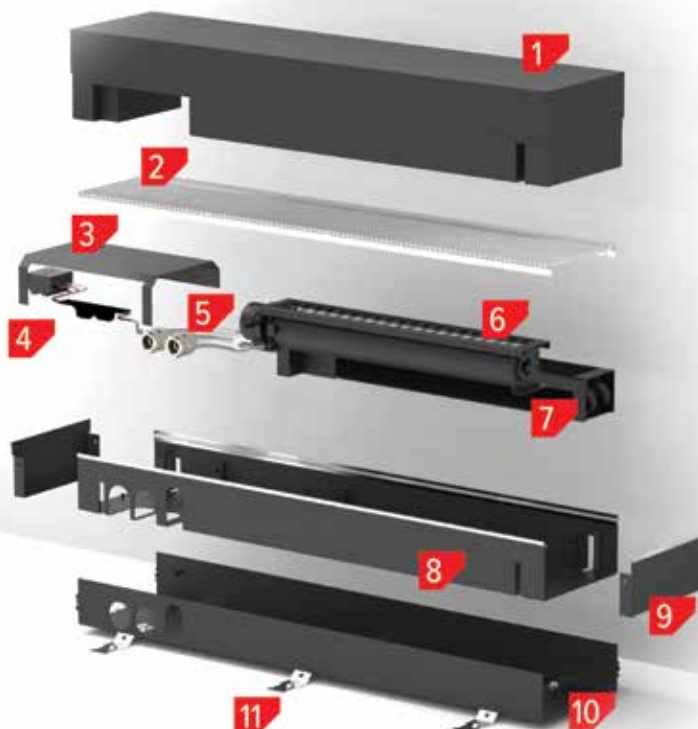
- if the appliance is not mounted flat on the floor, the space between the bottom of the appliance and the floor should be filled with a stable filler material.

## ELECTRIC CONNECTION

- 24 VDC clamp connector for electrical connection on the left, to be connected to an external power supply
- speedcontrol activator(s) 0-10 V

## COMPOSITION

1. Protective mounting block (s) in polyethylene
2. Stainless steel grille, natural coloured or lacquered
3. Cover plate
4. Electrical connection (24VDC/0-10V)
5. Stainless steel flexible connections 1/2", 15 cm long
6. Thermal Activator(s) (tangential mini activator)
7. Heat exchanger
8. Inner casing with stainless steel grille support
9. End cap
10. Outer casing
11. Default supplied anchoring hooks



# MICRO CANAL

DIMENSIONS			CONTROL VOLTAGE	HEATING				SOUND PRESSURE*	POWER CONSUMPTION	PRICE		ORDERING CODE
H	L	B		Watt 75/65	Watt 55/45	Watt 45/35	Watt 35/30	dB(A)	Watt	€ /SSS	€ /SSC/XXX	
006	060	14	2	60	36	23	15	13.8	0.51	853	937	MIRF.006 060 14 /XXX
			4	157	94	62	39	14.9	0.75			
			6	316	188	124	78	18.8	1.17			
			8	421	251	165	104	31.6	1.79			
			10	495	295	194	122	39.2	2.67			
095	14	14	2	129	77	51	32	14.3	0.52	1247	1374	MIRF.006 095 14 /XXX
			4	340	203	134	84	17.4	0.87			
			6	684	408	269	169	25.5	1.53			
			8	912	544	358	225	36.1	2.46			
			10	1072	639	421	265	42.5	3.84			
130	14	14	2	199	119	78	49	13.9	0.54	1667	1834	MIRF.006 130 14 /XXX
			4	523	312	206	129	15.2	0.95			
			6	1053	628	414	260	26.4	1.62			
			8	1403	836	551	347	37.2	2.65			
			10	1649	983	648	407	41.8	4.14			
165	14	14	2	269	160	106	66	17.3	1.04	2095	2303	MIRF.006 165 14 /XXX
			4	706	421	277	174	20.4	1.74			
			6	1422	847	559	351	28.5	3.06			
			8	1894	1129	744	468	39.1	4.92			
			10	2226	1327	875	550	45.5	7.68			
200	14	14	2	338	202	133	84	17.1	1.06	2507	2757	MIRF.006 200 14 /XXX
			4	889	530	349	220	19.4	1.82			
			6	1790	1067	704	442	29.0	3.15			
			8	2385	1422	937	589	39.7	5.11			
			10	2803	1671	1102	692	45.2	7.98			

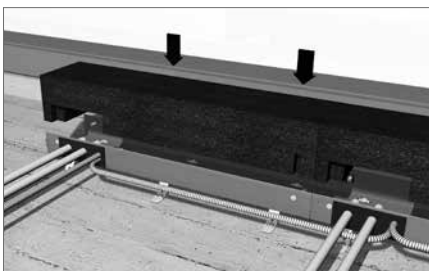
fill in grille code

\* With an assumed room attenuation of 8 dB(A) / content of the room 75 m<sup>3</sup> / reverberation time 0.5 sec. / measured at 1 m height and 2 m from the appliance.

Correction factors & pressure drop: see "Technical info" chapter

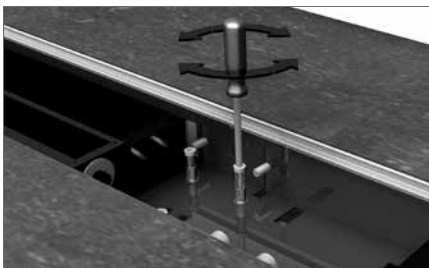
## SUPPLIED AS STANDARD

### ASSEMBLY & PROTECTION BLOCK



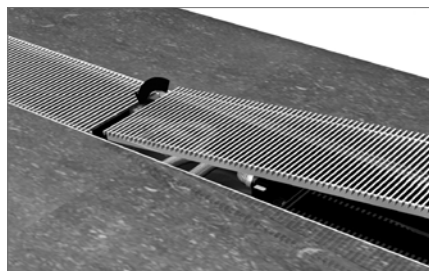
Install the polyethylene protective block(s) as protection on the construction site.

### HEIGHT CONTROL



Double height adjustment by means of the anchoring on the outer casing and by fine adjustment with the bolts in the inner housing (adjustable from 6.2 to 8 cm).

### DESIGN GRILLES



Continuous design grille of stainless steel grilles.

### FLEXIBLE CONNECTION



Stainless steel flexible hoses (15 to 25 cm), enabling the internal mechanism to be removed completely for easy cleaning.

## OVERVIEW GRILLES

### Stainless steel grilles



SSS  
stainless steel

### Stainless steel grilles lacquered



SSC/XXX  
stainless steel lacquered

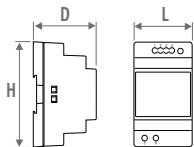
Our grilles are available in all colours, with the exception of Sandblast grey 001. In case of intensive use (placement in circulation areas, for example in front of sliding windows and doors), wear is, of course, inevitable.

# MICRO CANAL - OPTIONS

## POWER SUPPLY DIN-RAIL MONTAGE



The guarantee is only valid if the original Jaga power supply is used.



CODE	H	L	D
7990.054	9.0	3.5	5.9
7990.055	9.0	5.3	5.9
7990.056	9.0	7.0	5.9
7990.053	12.5	12.6	8.3

- for DIN-rail or wall mounting
- conformity UL60950 / UL508 / IEC 60950-1 / TUV EN61558-2-16 / Class 2
- output voltage 24 VDC
- input voltage 100 - 240 VAC
- screw connection
- LED indicator

CODE	Output Watts	Output current A	€
7990.054	36	1.5	48
7990.055	60	2.5	65
7990.056	92	3.9	93
7990.057	150	6.25	187

Required power = sum of the power consumption of the devices

## MAXIMUM CABLE LENGTH

In function of the number of devices: see <http://www.jaga.com/en/products/trench-heating/micro-canal>

## SEPARATE POWER SUPPLY

Waterproof power supply 24 VDC/40 Watt with waterproof cable gland.

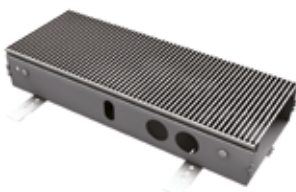


Not suitable for installation in the floor duct.

- conformity: UL60950 - EN 60950 / Class 2
- output voltage 24 VDC
- input voltage 100 - 240 VAC
- dimensions L 14.5 x B 4.5 x H 3.0 cm

CODE	Output Watts	Output current A	€
37603.010002	40	1.67	93

## VALVE UNIT



- length 35 cm
- connection set with thermostatic valve, lockshield and thermoelectric drive 24 VDC
- outer casing with height control
- inner casing with stainless steel grille support
- stainless steel grille, natural coloured or lacquered
- protection block

CODE	€
7522.00603514/SSS/VE	463
7522.00603514/SSC/.../VE	508

fill in colour code



Order sleeve couplings Eurocone:

Jaga Thermostatic valve Eurocone  
Thermoelectric drive  
24 VDC



Lockshield Eurocone

Dimensions of the valves, see "Connection sets & valves" chapter

# MICRO CANAL - OPTIONS

## EMPTY HOUSING

To fill open spaces for a continuous installation.



- outer casing with height control
- inner casing with stainless steel grille support
- stainless steel grille, natural coloured or lacquered
- protection block(s)
- 2 head pieces

### empty housing with stainless steel grille

CODE	L	€
7522.00603514/SSS	35	338
7522.00606014/SSS	60	452
7522.00609514/SSS	95	638
7522.00613014/SSS	130	837
7522.00616514/SSS	165	1029
7522.00620014/SSS	200	1232

### empty housing with lacquered stainless steel grille

CODE	L	€
7522.00603514/SSC/ ...	35	371
7522.00606014/SSC/ ...	60	535
7522.00609514/SSC/ ...	95	756
7522.00613014/SSC/ ...	130	996
7522.00616514/SSC/ ...	165	1232
7522.00620014/SSC/ ...	200	1469

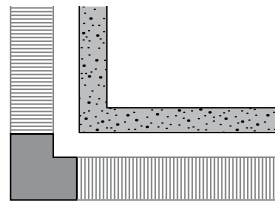
enter colour code

## CORNER PIECE



- aluminium cover plate in stainless steel effect (SSS), or lacquered in other Jaga colours (SSC)
- outer casing with anchorage elements
- polyethylene-protective mounting block(s)
- fully assembled inner housing with stainless steel grille support
- height adjustment with fine adjustment for alignment with the finished floor

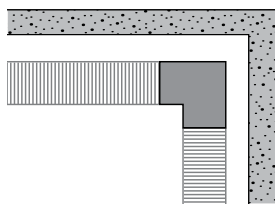
### Outer corner



CODE		€
7522.00602014/SSS/02	Natural	534
7522.00602014/SSC/.../02	lacquered	552

enter colour code

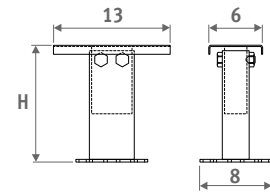
### Inner corner



CODE		€
7522.00602014/SSS/01	Natural	534
7522.00602014/SSC/.../01	lacquered	552







enter colour code

## FEET WITH HEIGHT ADJUSTMENT FOR RAISED FLOORS



- lacquered in dark grey RAL 7024.
- easy installation by means of "stainless steel spring system"
- 1 set includes 2 height adjusting controls

### Number of sets per Micro Canal

	L 35 = 1 set
	L 60 = 1 set
	L 95 = 1 set
	L 130 = 2 sets
	L 165 = 2 sets
	L 200 = 2 sets

CODE	H	€/set
5207.05070000	5 > 7 cm	52
5207.08130000	8 > 13 cm	53
5207.13230000	13 > 23 cm	55
5207.20300000	20 > 30 cm	57

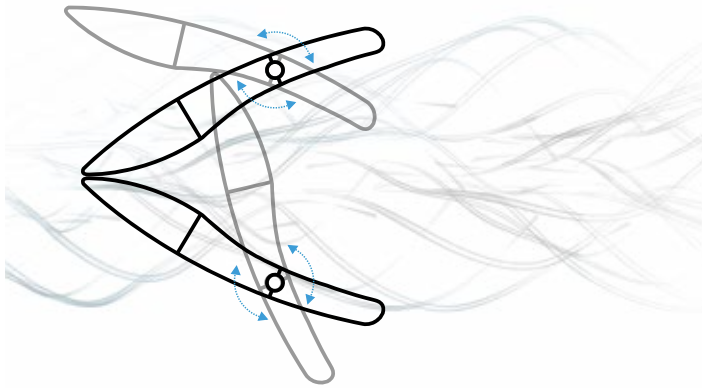
# jaga

CLIMATE DESIGNERS

## JAGA AVS<sup>®</sup> UNIT HEATER

Air Venturi System included

The Jaga unit heater is the master of air flow. Even in the biggest spaces. Its secret weapon? The Air Venturi System, which immediately blends heated air with the ambient air. The result: faster heating, better temperature distribution, lower energy consumption. Talk about great results!







# AVS® UNIT HEATER

JAGA AVS



## JAGA AVS® INDIRECTLY POWERED UNIT HEATERS ARE AN ENERGY EFFICIENT AND COMFORTABLE SOLUTION FOR HEATING LARGE SPACES

### THE AIR VENTURI SYSTEM (AVS®)

The Jaga AVS® unit heater is designed for heating industrial buildings, sports halls, warehouses, garages, supermarkets, exhibition halls, commercial centres, conservatories, ... and also all rooms that are not in continuous use, but need to be heated very quickly.

The Jaga unit heaters are standard equipped with the unique AVS® system (Air Venturi System). This AVS® system results in a lower exhaust temperature combined with an equal capacity which creates a significant improvement in the heat carrying capacity and the temperature distribution. The AVS® system facilitates improved temperature distribution, which means that the running times are reduced, saving energy.

### GREENTECH EC-MOTORS

EC motors reduce operating costs, reduce the impact on the environment and impress with their quiet operation.

Due to the higher efficiency of the EC motors, the energy consumption is directly linked to the rotation speed and thus the flow rate of the fan. The actual power consumption is determined by the (variable) speed.

- **No expensive switching box required**
- **Energy saving up to 32%**
- **Little or no maintenance (brushless)**
- **Low noise level**
- **Stepless speed control 0-10 V**
- **Long life expectancy due to low heat production**



EC=-32%



# AVS® UNIT HEATER GREATER DISTRIBUTION WITH THE SAME POWER

**Jaga unit heaters are equipped with our unique Air Venturi System as standard. The result is a lower exhaust temperature combined for an equivalent heat output which create a significant improvement in the heat carrying capacity and the temperature distribution. The result: faster heating, better temperature distribution, lower energy consumption. Talk about great results!**

## FASTER HEATING UP

The unique Air Venturi System results in a lower exhaust temperature combined with an equal capacity which creates a significant improvement in the heat carrying capacity and the temperature distribution. This system offers a number of additional and innovative control options.

## LOWER ENERGY CONSUMPTION

The AVS® system facilitates improved temperature distribution, which means that the running times are reduced, saving energy.

## HEATED INDIRECTLY

Higher efficiency, better control.  
No exhaust fumes, safer.

## LOW-H<sub>2</sub>O HEAT EXCHANGER

Heat exchanger made from aluminium fins placed on mechanically expanded copper tubes, which are connected to steel collectors. The ideal combination of these materials guarantees optimum heat conductivity. 5 Sizes of heat exchangers with 2 or 3 rows of pipes. Heat output from 4.5 up to 78.6 kiloWatts at  $\Delta T$  50.

## ELECTRICITY CONSUMPTION UP TO 32% LOWER

Due to the single unit HyBlade® fan combined with the EC motor technology, the noise level drops by 6 dB(A) and the energy consumption with 32%.

## SIMPLE INSTALLATION AND CONTROL

Variable control 0-10 VDC.  
No expensive switching box for power supply control and/or frequency control required.  
Virtually maintenance free because the absence of carbon brushes

## ATTRACTIVE FINISH

A totally new construction with no visible screws or rivets. A high quality sand-blasted grey lacquered (001) scratch resistant and dirt repellent finish. Aerodynamic exhaust made of satin black lacquered aluminium.

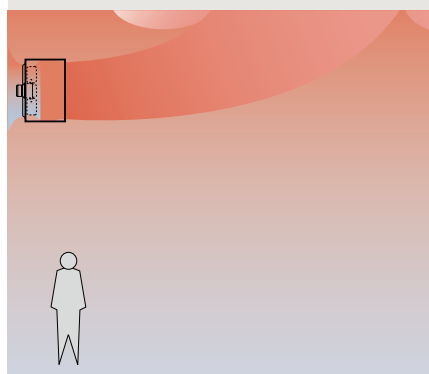


### WHY AVS®?

The main problem with unit heaters in general is the heat accumulation at the roof or ceiling level especially in high level roof spaces. The temperature difference between the floor and the ceiling increases in proportion to the exhaust temperature of the unit heater. The higher the exhaust temperature the faster the heated air rises, pushing the cooler down to floor level. Consequently more energy will be required to heat up the floor area in order to create a comfortable temperature. Higher air flow, lower exhaust temperature or additional fans can soften up the problem, but result in a considerable increase in cost or more noise.

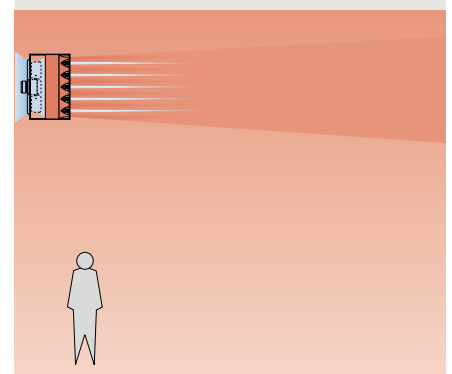
### STANDARD UNIT HEATERS

Due to the higher air exhaust temperature the hot air will rise too quickly and the cooler air will consequently be pushed downwards.



### THE JAGA SOLUTION: AIR VENTURI SYSTEM

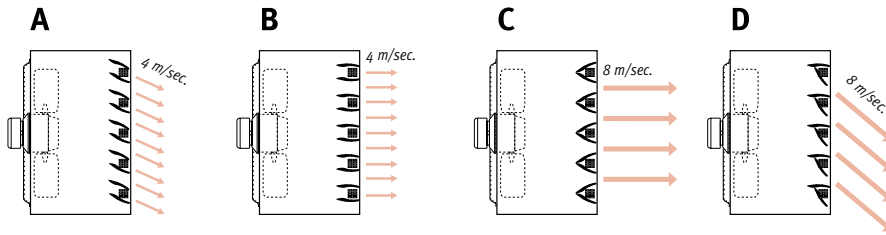
With the Air Venturi System the air exhaust temperature is lower, which greatly reduces the up-draught giving you an even temperature, faster heating up and better energy efficiency.



# AVS® UNIT HEATER - AIR VENTURI SYSTEM®

## POSITIONING

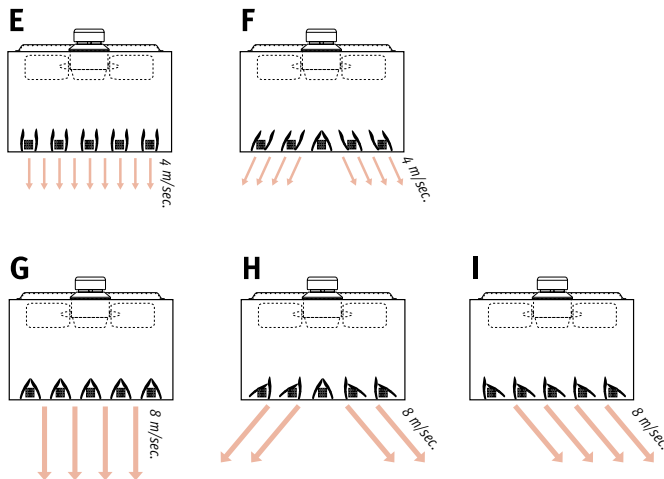
### Wall mounting



HEIGHT	POSITION
2.5 to 3 m	B or C
3 to 4 m	A
> 4 m	D

Tested with unit heater 221.  
For other types contact the Jaga technical department.

### Ceiling design



HEIGHT	POSITION
H < Table	E or F
H = Table	G, H or I

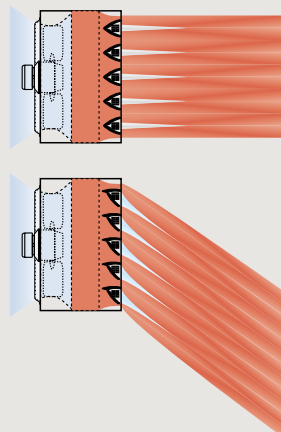
## THE MODULATING AVS® VERSION

With the modulating AVS® version the exhaust louvres are linked in pairs and connected to a servo motor. This motor produces a continuous back and forth movement of the adjustable louvres. This creates turbulence and created provides an even better temperature distribution. The angle of movement can easily be adjusted from 0 to 90°. A complete cycle takes around 150 seconds.

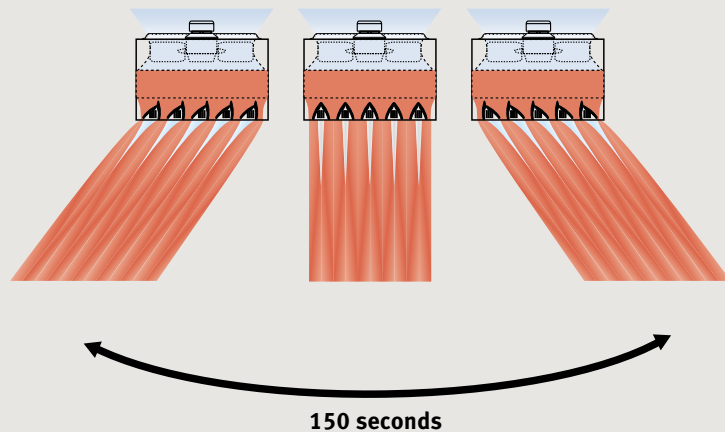
The modulating operation is integrated into the equipment and therefore cannot be delivered as an accessory.

Mini unit heater (code 021 and 031) are not available as a modulating version.

### Wall mounting: position 45°



### Ceiling mounting: position 90°

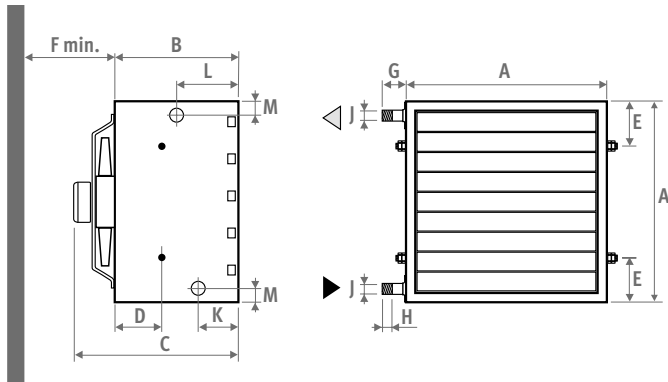


75 seconds

150 seconds

# DIMENSIONS - AVS® UNIT HEATER

## DIMENSIONS (in cm)

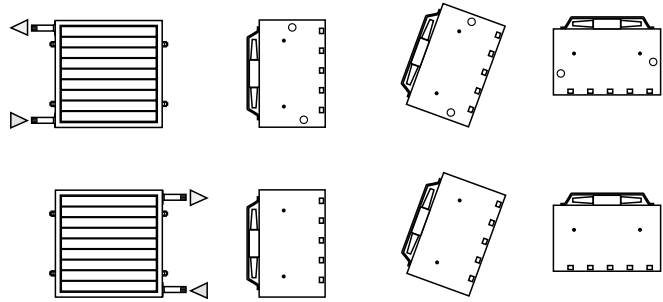


Mini unit heater										
Type	021	031	121	131	221	231	321	331	421	431
A	41	41	53	53	65	65	77	77	89	89
B	40	40	40	40	40	40	40	40	40	40
C	43	43	48	48	49.8	49.8	57.2	57.2	55.1	55.1
D	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
E	10.5	10.5	11.5	11.5	12.5	12.5	13.5	13.5	14.5	14.5
F	30	30	35	35	45	45	56	56	65	65
G	4.8	4.8	4.8	4.8	4.8	4.8	5.1	5.1	5.1	5.1
H	2.2	2.2	2.2	2.2	2.2	2.2	2.5	2.5	2.5	2.5
øJ*	G3/4"	G3/4"	G1"	G1"	G1"	G1"	G6/4"	G6/4"	G6/4"	G6/4"
K	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
L	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
M	4.5	4.5	4.5	4.5	4.5	4.5	5.2	5.2	5.2	5.2
kg	20	22	30	32	43	46	56	59	71	75

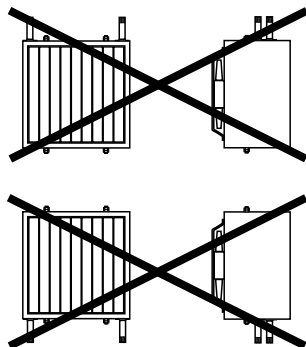
\* BSP Male

## HYDRAULIC CONNECTION

### Correct

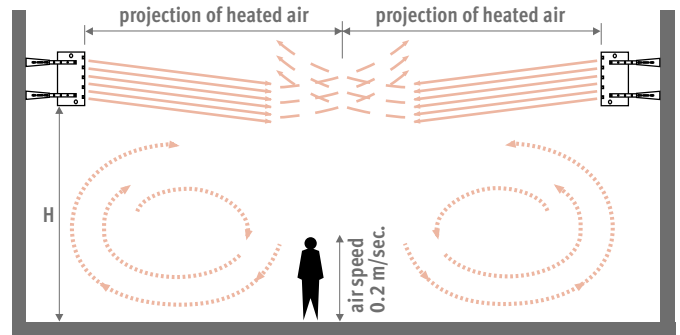


### Incorrect

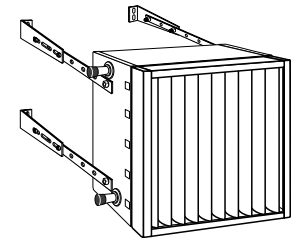
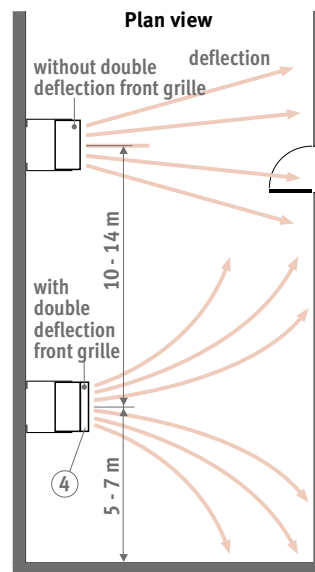


## MOUNTING

### Wall mounting

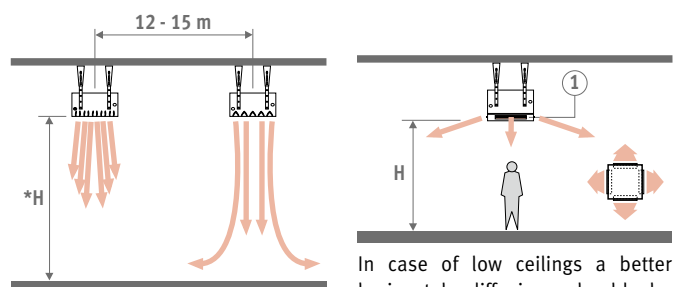


In order to maintain comfort, please avoid blowing heated air directly at people..

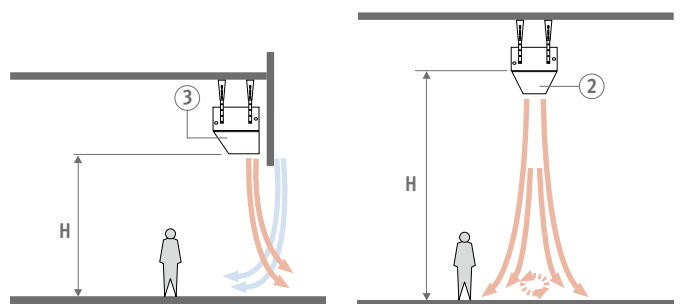


In small rooms a front grille must be fitted for double deflection to prevent too a high temperature at the opposite wall. The louvers are assembled both vertically and horizontally.

### Ceiling design



AVS® Position: see p. 188  
\*H see output table



In order to prevent cold air entering the room via openings, a mouth piece is available.

With ceilings higher than 6 metres an exhaust cone must be fitted on the appliance.

# AVS<sup>®</sup> UNIT HEATER WITH EC MOTOR

Type	Output									Air exhaust temperature <sup>(1)</sup>							Hot air projection horizontal <sup>(4)</sup>			Hot air projection vertical <sup>(4)</sup>										
	control voltage	Tv 75	Tv 55	Tv 35							Revolutions	Air flow	Sound power level <sup>(2)</sup>	Sound pressure <sup>(3)</sup>	Rated input	mouth cone air diff.														
		Tr 65	Tr 45	Tr 30												H min.	with AVS <sup>®</sup>	with-out AVS <sup>®</sup>	H max.	H max.	H max.	H max.	H max.	4 sides open	2 sides open					
		Tl 20	Tl 20	Tl 20	ΔT=50	ΔT=30	ΔT=12.5	ΔT=50	ΔT=30	ΔT=12.5						RPM	m <sup>3</sup> /h	dB(A)	dB(A)	Watts	m	m	m	m	m	m	m	m	m	m
CODE	V	kWatts	kWatts	kWatts	°C	°C	°C	°C	°C	°C	RPM	m <sup>3</sup> /h	dB(A)	dB(A)	Watts	m	m	m	m	m	m	m	m	m	m					
UNIT.021/EC 1468 €	10	7.3	4.4	1.8	35	21	21	1559	1422	71.4	55.4	76	21.0	16.0	8.0	5.5	2.5	5.0	10.0											
	8	7.1	4.2	1.8	36	22	22	1469	1325	69.9	53.9	63	19.0	14.0	6.5	4.5										4.5	9.0			
	6	6.4	3.8	1.6	38	23	22	1286	1144	66.1	50.1	43	2.5	15.0	12.0	5.0	3.5						2.5	3.5	7.0					
	4	5.5	3.3	1.4	41	25	23	984	847	58.4	42.4	20				11.0	8.0													
	2	4.5	2.7	1.1	44	26	23	731	594	50.0	34.0	10				8.0	6.0													
UNIT.031/EC 1608 €	10	9.6	5.8	2.4	42	25	23	1559	1342	69.1	53.1	79	19.0	14.0	7.5	5.0						2.5	4.5	9.0						
	8	9.0	5.4	2.3	43	26	23	1469	1251	68.0	52.0	65	17.0	12.0	6.5	4.5										4.0	8.0			
	6	8.1	4.8	2.0	45	27	24	1286	1080	65.0	49.0	45	2.5	14.0	10.0	5.0	3.5					2.5	3.0	6.5						
	4	6.5	3.9	1.6	49	28	24	984	799	57.4	41.4	21				10.0	7.0													
	2	5.3	3.2	1.3	54	32	25	731	561	49.0	33.0	11				7.0	5.0													
UNIT.121/EC 1920 €	10	15.7	9.4	3.9	41	25	23	1413	2422	71.2	55.2	115	23.0	18.0	8.0	5.5	3.5	9.0	2.5	6.0	12.5									
	8	14.6	8.8	3.7	44	26	23	1143	1984	65.5	49.5	80	19.0	14.0	6.5	4.5			7.5		5.0	10.0								
	6	13.0	7.8	3.2	48	28	24	857	1438	57.9	41.9	35	2.5	15.0	11.0	5.0	3.5	3.5	6.0	2.5	4.0	8.0								
UNIM.121/EC 3481 €	4	10.7	6.4	2.7	51	30	25	614	997	49.3	33.3	14				11.0	8.0													
	2	8.0	4.8	2.0	56	32	26	458	699	41.2	25.2	8				7.0	5.0													
UNIT.131/EC 2184 €	10	20.1	12.0	5.0	50	29	25	1413	2286	71.2	55.2	118	22.0	16.0	7.5	5.0	3.0	8.5	2.5	6.0	11.5									
	8	19.3	11.6	4.8	53	31	25	1143	1872	63.1	47.1	82	19.0	14.0	6.5	4.5			7.5		5.0	10.0								
	6	16.7	10.0	4.2	58	34	26	857	1357	56.3	40.3	37	2.5	14.0	11.0	5.0	3.5	3.0	5.5	2.5	3.5	7.5								
UNIM.131/EC 3748 €	4	12.2	7.3	3.1	63	37	27	614	941	48.2	32.2	15				9.0	7.0													
	2	9.2	5.5	2.3	66	38	28	458	660	40.2	24.2	9				6.0	5.0													
UNIT.221/EC 2478 €	10	30.4	18.2	7.6	39	23	22	1232	4643	75.2	59.2	248	37.0	28.0	10.0	6.0	4.5	11.0	2.5	11.0	21.5									
	8	28.6	17.2	7.2	41	25	23	1117	4153	71.5	55.5	187	33.0	25.0	8.5	5.0			9.5		10.0	18.5								
	6	26.4	15.8	6.6	43	25	23	936	3467	67.6	51.6	115	2.5	27.0	21.0	7.5	4.5	4.5	8.0	2.5	8.0	15.5								
UNIM.221/EC 4046 €	4	21.7	13.0	5.4	48	28	24	703	2517	59.3	43.3	54				19.0	14.0													
	2	18.0	10.8	4.5	53	31	25	515	1773	57.8	41.8	27				13.0	10.0													
UNIT.231/EC 2724 €	10	36.7	22.0	9.2	44	26	23	1232	4382	75.8	59.8	251	35.0	27.0	9.5	5.5	4.0	10.5	2.5	10.5	20.0									
	8	34.6	20.8	8.6	47	28	24	1117	3920	69.6	53.6	189	30.0	23.0	8.0	5.0			9.0		9.0	17.0								
	6	31.1	18.7	7.8	51	30	25	936	3272	69.1	53.1	117	2.5	24.0	18.0	6.5	4.0	4.0	7.0	2.5	7.0	13.5								
UNIM.231/EC 4298 €	4	25.9	15.6	6.5	56	33	26	703	2375	58.2	42.2	55				17.0	13.0													
	2	21.2	12.7	5.3	62	36	27	515	1673	56.8	40.8	28				12.0	9.0													
UNIT.321/EC 3438 €	10	40.2	24.1	10.0	40	24	23	826	4915	71.1	55.1	232	40.0	30.0	10.5	6.5	5.0	11.5	3.0	12.5	22.5									
	8	39.2	23.5	9.8	40	24	23	722	4254	67.7	51.7	158	37.0	28.0	10.0	6.0			10.5		11.5	21.0								
	6	36.0	21.6	9.0	43	26	23	515	2998	59.1	43.1	69	3.0	30.0	23.0	8.0	5.0	5.0	8.5	3.0	9.5	17.0								
UNIM.321/EC 5024 €	4	29.1	17.5	7.3	48	28	24	378	2036	51.6	35.6	34				20.0	15.0													
	2	22.5	13.5	5.6	54	32	25	274	1403	43.3	27.3	20				13.0	10.0													
UNIT.331/EC 3808 €	10	51.7	31.0	12.9	48	28	24	826	4639	72.3	56.3	235	36.0	27.0	9.5	6.0	4.5	10.5	3.0	11.5	20.5									
	8	44.8	26.9	11.2	52	30	25	722	4015	65.9	49.9	160	27.0	21.0	7.0	4.5			8.0		8.5	15.5								
	6	35.6	21.4	8.9	56	33	26	515	2829	57.9	41.9	71	3.0	19.0	14.0	5.0	3.0	4.5	5.5	3.0	6.0	10.5								
UNIM.331/EC 5398 €	4	27.9	16.8	7.0	61	35	27	378	1922	50.3	34.3	35				13.0	10.0													
	2	24.8	14.9	6.2	63	36	27	274	1324	42.3	26.3	21				11.0	8.0													
UNIT.421/EC 4431 €	10	65.2	39.1	16.3	41	25	23	972	8147	78.3	62.3	569	54.0	41.0	11.0	9.5	6	12.5	3.0	15.5	27.0									
	8	53.6	32.1	13.4	43	26	23	731	6004	70.6	54.6	249	40.0	31.0	8.5	7.0			9.5		11.5	20.0								
	6	44.2	26.5	11.1	46	27	24	539	4344	62.2	46.2	113	3.0	30.0	23.0	6.0	5.5	6	7.0	3.0	8.5	15.0								
UNIM.421/EC 6032 €	4	35.1	21.1	8.8	50	30	25	399	3107	53.8	37.8	54				20.0	15.0													
	2	29.7	17.8	7.4	56	32	26	291	2207	46.2	30.2	30				14.0	11.0													
UNIT.431/EC 5012 €	10	78.6	47.2	19.7	48	28	24	972	7689	76.4	60.4	572	49.0	37.0	10.0	8.5	5.5	11.5	3.0	14.0	25.0									
	8	65.4	39.2	16.4	52	30	25	731	5666	68.9	52.9	251	36.0	27.0	7.5	6.5			8.5		10.5	18.0								
	6	53.6	32.2	13.4	55	32	26	539	4100	60.9	44.9	115	3.0	27.0	20.0	5.5	4.5	5.5	6.0	3.0	7.5	13.5								
UNIM.431/EC 6621 €	4	41.6	24.9	10.4	60	35	27	399	2932	52.7	36.7	55				18.0	14.0													
	2	32.3	19.4	8.1	66	38	28	291	2083	45.2	29.2	31				12.0	9.0													

<sup>(1)</sup> At the heat exchanger, before the AVS<sup>®</sup>-effect reduces the temperature.

<sup>(2)</sup> Sound measurements according to DIN 45635 / ISO 5801, DIN EN ISO 3744 / 3745, ISO 13347-3

<sup>(3)</sup> Measured at 5 m from the appliance / content of the room 3000 m<sup>3</sup> / reverberation time 2 sec. (VDI 2081)

<sup>(4)</sup> Hot air projection is an approximative value for free drawing and exhausting air. ΔTl ca. 15 to 20 K over the room temperature.

# OPTIONS - AVS® UNIT HEATER

## DELIVERY

Completely preassembled apparatus for mounting against wall or ceiling, supplied in sturdy cardboard packaging:

- standard with Air Venturi System
- 2 row or 3 row heat exchanger
- casing in sandblast grey (001), fine texture metallic lacquer

## ORDERING CODE

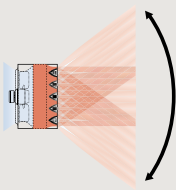
code type

**UNIT . 021 /EC** (standard AVS®)  
 ↳ fill in type (2 = 2 rows of pipes)  
 (3 = 3 rows of pipes)

## ORDERING CODE MODULATING

code type

**UNIM . 021 /EC** (modulating AVS®) see p. 330  
 ↳ fill in type (2 = 2 rows of pipes)  
 (3 = 3 rows of pipes)



The modulating operation is integrated into the equipment and therefore cannot be delivered as an accessory. Mini unit heater (code 021 and 031) not available as a modulating version.

Wiring diagram available on request:

## CODE

27200.20060001

## CLOCK THERMOSTATS HEATING

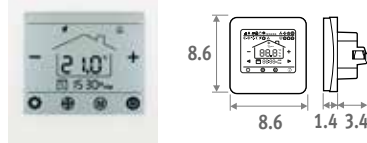
The general characteristics in bold below are valid for the thermostats 8751.050013 - 8751.050012 - 8751.050009 - 8751.050017

- **automatic thermostat for 2-pipe: heating/cooling or auto**
- **ventilator speed: min./med./max. or auto**
- **power supply 24 VDC**
- **output control(s) 0-10 VDC**
- **1 clock thermostat per room**
- **programmable zones**
- **LCD display with background lighting**
- **protection category IP30**

## FOR RECESSED MOUNTING

### NEW

#### Jaga clock thermostat for recessed/panel mounting JRT-100TW



**Touchscreen**



**Wi-Fi**



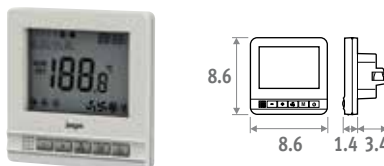
**App**

- LCD touchscreen with background lighting
- control via WIFI (smartphone app)
- programmable time zones 7 days (1-7)
- control valves 24 VDC heating/cooling
- thermostat to be mounted in a junction box
  - spacing holes at 6 cm
  - minimum depth 4.5 cm
  - inner dimension 5 x 5 cm or Ø 6 cm

## CODE

8751.050017 recessed/panel mounted € **177**

#### Jaga clock thermostat for recessed/panel mounting JRT-100



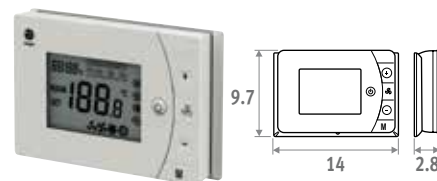
- control valves 24 VDC heating/cooling
- thermostat to be mounted in a junction box
  - spacing holes at 6 cm
  - minimum depth 4.5 cm
  - inner dimension 5 x 5 cm or Ø 6 cm

## CODE

8751.050012 recessed/panel mounted € **106**

## FOR WALL MOUNTING

#### Jaga clock thermostat for wall mounting JRT-200

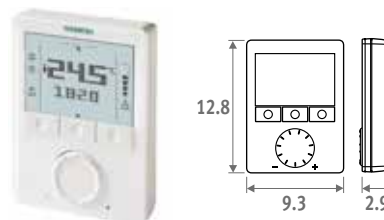


- 2 potential-free contacts heating/cooling (f.e. valve control 24 VDC or 230 VAC)
- with key card contact / window contact
- can be mounted on a junction box with screw holes at 6 cm

## CODE

8751.050013 wall mounted € **100**

#### Siemens clock thermostat for wall mounting



- unlimited adjustment possibilities: 74 features and diagnostic test
- For more information contact Jaga:  
 ☎ +32 11 29 41 12 - ✉ export@jaga.be

## CODE

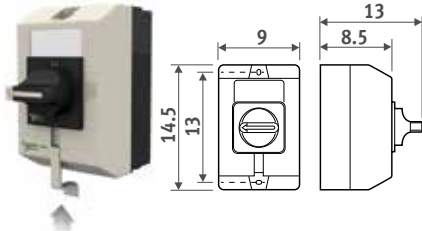
8751.050009 wall mounted € **315**

# AVS® UNIT HEATER - OPTIONS

## ISOLATION SWITCH

For use with all unit heater models.  
Pre-mounted to the side when ordered together with the unit heater

- application: safe isolation of power during maintenance or replacement of parts
- 1 switch per unit heater
- ON/OFF function
- lockable in off position for safety



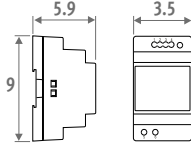
Add to the code of the unit heater /LS  
Ex. UNIT.021/EC/LS

	Surcharge €
Isolation switch	123

## POWER SUPPLY FOR THERMOSTATIC



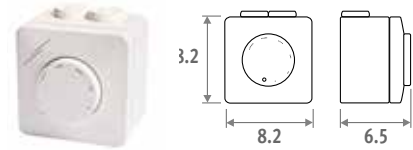
The guarantee is only valid if the original Jaga power supply is used.



- for DIN-rail or wall mounting
- conformity UL60950 / UL508 / IEC 60950-1 / TUV EN61558-2-16 / Class 2
- output voltage 24 VDC
- input voltage 100 - 240 VAC
- screw connection
- LED indicator

CODE	Output Watts	Output current A	€
7990.054	36	1.5	48

## POTENTIOMETER



- continuously variable speed control for max. 10 EC motors & modulating servo motor 230V
- synthetic housing ASA, RAL 9010
- for wall-mounting or built-in
- splash-proof IP44
- power supply 230 VAC
- output voltage 0..10 VDC (max. 8 mA)

CODE	€
8751.050008	156

## OTHER OPTIONS

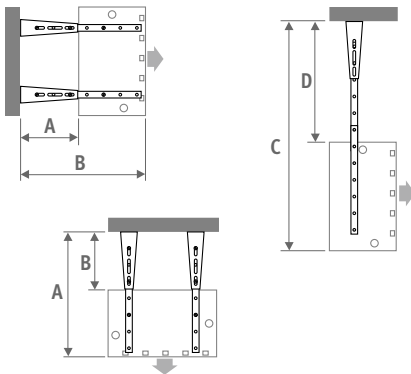
- Bracket and Fixing set p. 192
- Air exhaust options p. 194
- Air inlet options p. 196
- Servo motor p. 197

# AVS® UNIT HEATER - BRACKET AND FIXING SET

## WITH BRACKETS AND FIXING SETS TO USE?

### Without air inlet options

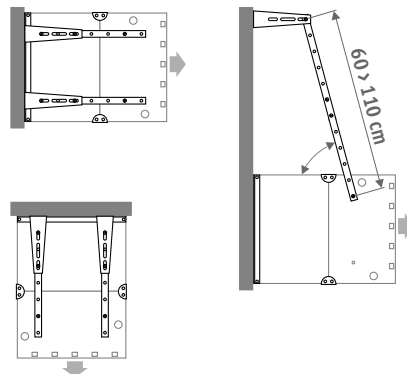
Set of brackets A



### With 1 air inlet option

(not available with Mini unit heater)

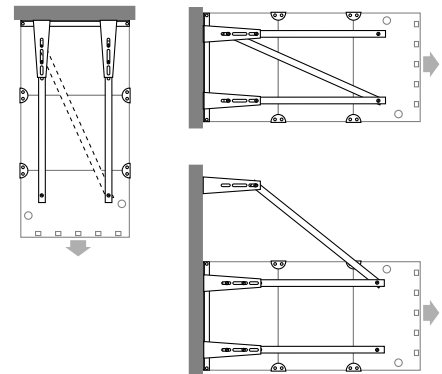
Set of brackets A + fixing set A



### With 2 air inlet options

(not available with Mini unit heater)

set of brackets B + fixing set B



TYPE	A		B		C		D		E	F	G
	min.	max.	min.	max.	min.	max.	min.	max.			
000 (Mini)	36	67	77	107	72.5	132.5	31.5	101.5	--	--	--
100	36	67	77	107	83.5	143.5	30.5	90.5	35.5	53	63.5
200	36	67	77	107	94.5	144.5	29.5	79.5	45.5	65	75.5
300	36	67	77	107	105.5	145.5	28.5	68.5	55.5	77	87.5
400	36	67	77	107	116.5	146.5	27.5	57.5	65.5	89	99.5

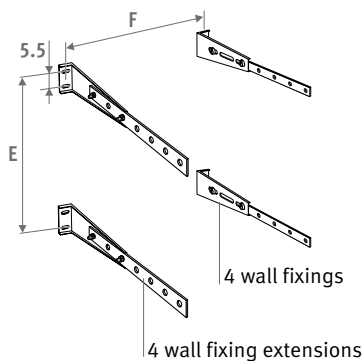


# BRACKET AND FIXING SET - AVS® UNIT HEATER

## SET OF BRACKETS A

For unit heater without or with one air inlet option

- carrying capacity: 150 kg
- finish in the same colour as the unit heater (sandblast grey metallic, colour 001).
- includes screw bolts

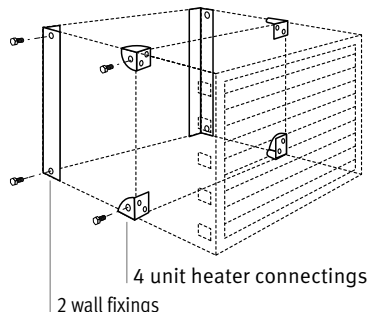


CODE	€
8376.010100	77

## FIXING SET A

For mounting of 1 air inlet option

- finish in the same colour as the unit heater (sandblast grey metallic, colour 001).
- includes bolts M 8 x 16 Din 933
- includes spring washers M8 Din 127



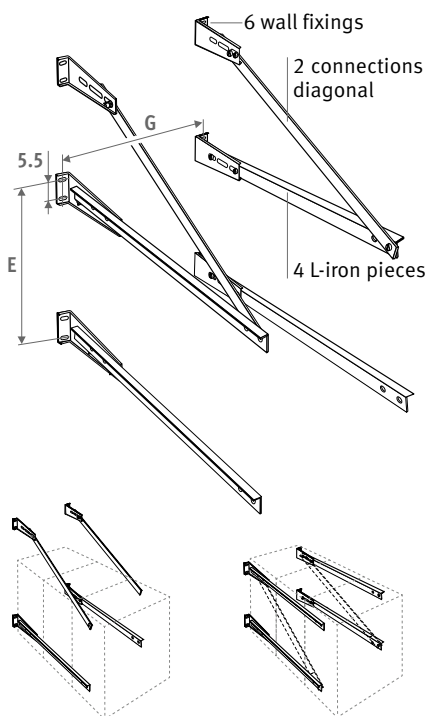
CODE	Type	€
8376.040001	100	88
8376.040002	200	88
8376.040003	300	88
8376.040004	400	88

To use together with set of brackets A

## SET OF BRACKETS B

For unit heater with two air inlet options

- finish in the same colour as the unit heater (sandblast grey metallic, colour 001).
- includes screw bolts

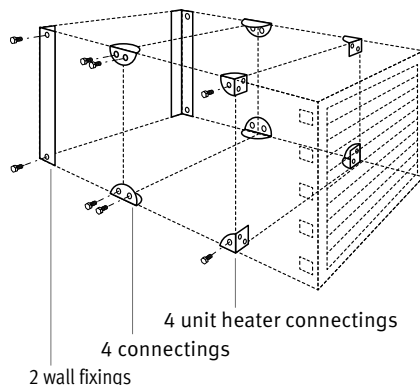


CODE	Type	€
8376.030101	100	132
8376.030102	200	140
8376.030103	300	157
8376.030104	400	164

## FIXING SET B

For mounting of 2 air inlet options

- finish in the same colour as the unit heater (sandblast grey metallic, colour 001).
- includes bolts M 8 x 16 Din 933
- includes spring washers M8 Din 127

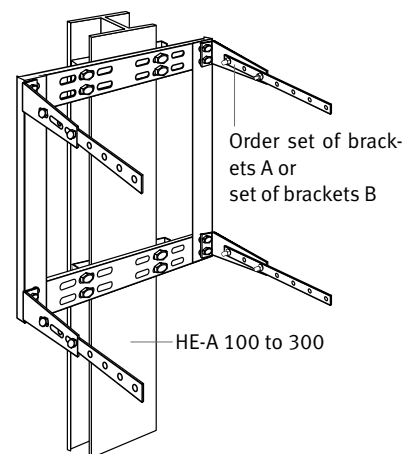


CODE	Type	€
8376.040101	100	116
8376.040102	200	116
8376.040103	300	116
8376.040104	400	116

To use together with set of brackets B

## FIXING ON METAL CONSTRUCTION

- finish in the same colour as the unit heater (sandblast grey metallic, colour 001).
- includes screw bolts



CODE	Type	€
8376.050101	100	74
8376.050102	200	74
8376.050103	300	74
8376.050104	400	74

To use together with set of brackets A or B

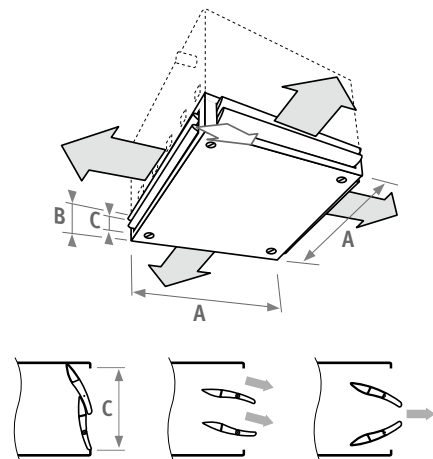
# AVS® UNIT HEATER - AIR EXHAUST OPTIONS

## 4- SIDED AVS® AIR DIFFUSER

- for better horizontal air diffusion in case of low ceilings
- order together with the unit heater. The unit heater needs to be adjusted
- with this option the unit heater has no air exhaust grille
- will be delivered separately. Easy to mount and disassemble through quick-acting connection
- finish identical to the unit heater (sandblast grey, colour 001)
- aerodynamic angled louvres in satin black lacquered aluminium
- maximum height = 2.5 m bottom end of the appliance.



CODE	Type	€
8375.060100	(Mini) 000	269
8375.060101	100	326
8375.060102	200	338
8375.060103	300	367
8375.060104	400	408



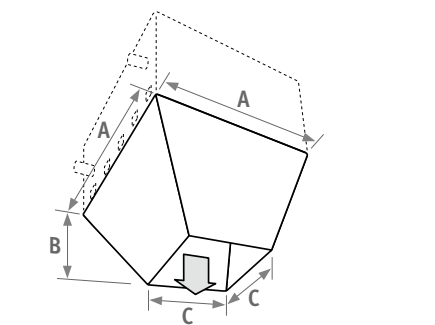
Type	A	B	C	kg
000 (Mini)	41.0	18.8	13.8	7.2
100	53.0	18.8	13.8	9.2
200	65.0	18.8	13.8	11.8
300	77.0	18.8	13.8	14.6
400	89.0	18.8	13.8	17.7

## EXHAUST CONE

- to obtain higher exhaust speed, which enables fixing at a high level
- order together with the unit heater. The unit heater needs to be adjusted
- will be delivered separately. Easy to mount and disassemble through quick-acting connection
- finish identical to the unit heater (sandblast grey, colour 001)



CODE	Type	€
8375.080101	100	262
8375.080102	200	272
8375.080103	300	309
8375.080104	400	329



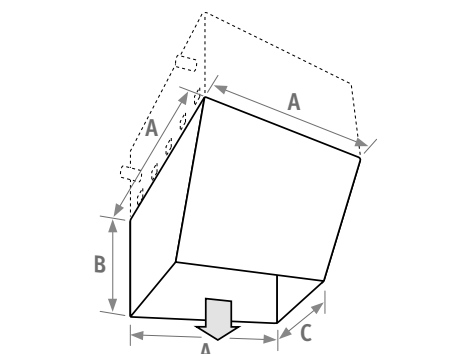
Type	A	B	C	kg
100	53.0	43.3	22.0	8.2
200	65.0	46.1	32.0	10.7
300	77.0	55.8	37.0	14.8
400	89.0	64.2	43.0	18.9

## EXHAUST MOUTH PIECE

- prevent cold air entering the room door spaces etc...
- order together with the unit heater. The unit heater needs to be adjusted
- will be delivered separately. Easy to mount and disassemble through quick-acting connection
- finish identical to the unit heater (sandblast grey, colour 001)



CODE	Type	€
8375.070101	100	260
8375.070102	200	272
8375.070103	300	309
8375.070104	400	331



Type	A	B	C	kg
100	53.0	54.5	10.5	9.7
200	65.0	60.0	18.0	17.3
300	77.0	72.5	19.0	24.0
400	89.0	103.5	25.0	36.7

# AIR EXHAUST OPTIONS - AVS® UNIT HEATER

## DOUBLE DEFLECTION FRONT GRILLE

- prevents too high a temperature developing at the opposite wall
- not suitable for use with the modulating version
- easy to mount through quick-acting connection at the top
- finish identical to the unit heater (sandblast grey, colour 001)
- aerodynamic angled louvres in satin black lacquered aluminium

## PROTECTION GRILLE FOR SPORT CENTERS

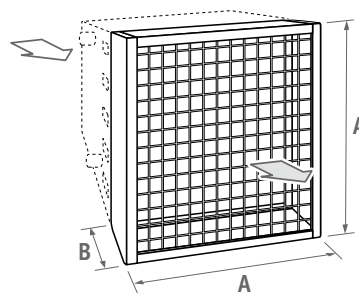
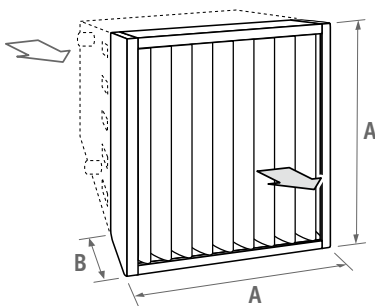
- easy to mount through quick-acting connection at the top
- not suitable for use with the modulating version
- finish identical to the unit heater (sandblast grey, colour 001)

For losses of air flow and/or capacity when using air exhaust options: see [www.jaga.com](http://www.jaga.com)



CODE	Type	€
8375.110100	(Mini) 000	241
8375.110101	100	260
8375.110102	200	272
8375.110103	300	314
8375.110104	400	327

CODE	Type	€
8375.100101	100	254
8375.100102	200	265
8375.100103	300	302
8375.100104	400	323



Type	A	B	kg
000 (Mini)	41.0	10.1	5.0
100	53.0	10.1	6.1
200	65.0	10.1	8.1
300	77.0	10.1	10.4
400	89.0	10.1	13.0

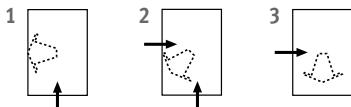
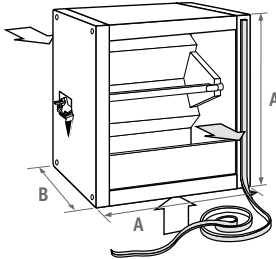
Type	A	B	kg
100	53.0	10.1	5.7
200	65.0	10.1	6.7
300	77.0	10.1	8.4
400	89.0	10.1	8.8

# AVS® UNIT HEATER - AIR INLET OPTIONS

**!** Air inlet options are not possible with unit heater 021 / 031!

For losses of air flow and/or capacity when using air exhaust options: see [www.jaga.com](http://www.jaga.com)

## AIR MIXING BOX



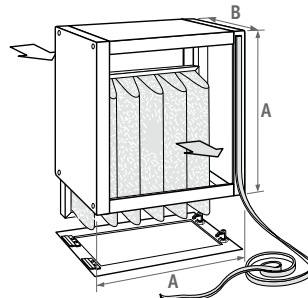
- unlacquered galvanized steel, or lacquered in the same colour as the unit heater (sand-blast grey, colour 001)
- manually adjusted

CODE	Type	€ galvanized
83750.010101	100	454
83750.010102	200	506
83750.010103	300	581
83750.010104	400	679

CODE	Type	€ lacquered
83751.010101	100	546
83751.010102	200	599
83751.010103	300	673
83751.010104	400	773

Type	A	B	kg
100	53.0	45.0	13.6
200	65.0	55.0	19.3
300	77.0	65.0	25.9
400	89.0	76.5	33.1

## FILTER BOX WITH FILTER ELEMENT



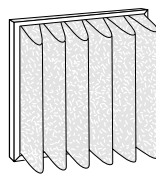
- unlacquered galvanized steel, or lacquered in the same colour as the unit heater (sand-blast grey, colour 001)
- when ordering a filter box it is recommended that a spare filter element is also ordered

CODE	Type	€ galvanized
8375.140101	100	466
8375.140102	200	537
8375.140103	300	652
8375.140104	400	847

CODE	Type	€ lacquered
83751.140101	100	560
83751.140102	200	629
83751.140103	300	745
83751.140104	400	941

Type	A	B	kg
100	53.0	35.0	18.1
200	65.0	45.0	22.4
300	77.0	55.0	26.7
400	89.0	66.5	31.9

## FILTER ELEMENT



**Caution! A dirty filter will reduce the output and the air flow of the unit heater.**

- partly recyclable (dependent on the application of room)
- efficiency: Ashrae-tissue 90 %
- self-extinguishable in accordance to DIN 53438-1
- heat resistant up to 100 °C
- complies to classification G4 in accordance DIN EN 779

CODE	Type	€
8375.150101	100	159
8375.150102	200	195
8375.150103	300	265
8375.150104	400	435

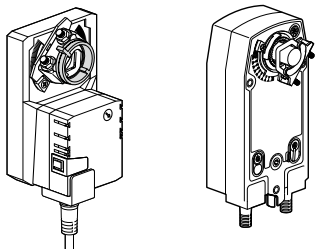
Other air inlet options: see [www.jaga.com](http://www.jaga.com)

- shutter box 180°
- shutter box 90°
- angular box
- extension box
- wall channel box
- extension channel
- 2-sided air inlet box
- air inlet mouth piece with grille for connection on wall channel box
- roof rain protection piece for connection on wall channel box
- roof rain protection piece for connection on extension channel

# AIR INLET ACCESSORIES - AVS® UNIT HEATER

**!** Servo motor or thermostat for frost protection are assembled on the device. The servo motor has to be ordered together with the air mixing box. The frost protection thermostat has to be ordered together with the unit heater.

## SERVO MOTORS "ON/OFF"

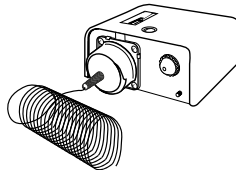


with return spring

- one size
- return spring: the mixing box or the shutter box will be closed automatically in case of a power cut (frost protection).

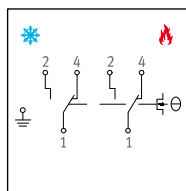
CODE	€
8383.2301 "on/off-230 V"	354
8383.2302 "on/off-230 V" with return spring	728
8383.2303 Modulating servo motor 230V	765

## THERMOSTAT FOR FROST PROTECTION

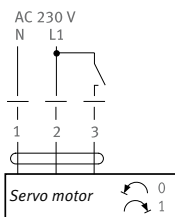


- Thermostat for frost protection (from -10° up to +12°C)

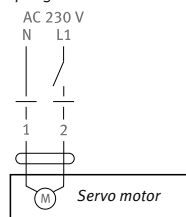
CODE	€
8384.0001	266



"on/off-230 V"



"on/off-230 V" with return spring



# AVS® UNIT HEATER - CORRECTION FACTORS

## CORRECTION FACTORS (CF) AS A FUNCTION OF ΔT

(ΔT = average water temperature - room temperature)

ΔT	Factor	ΔT	Factor	ΔT	Factor
30	0.60	49	0.98	68	1.36
31	0.62	50	1.00	69	1.38
32	0.64	51	1.02	70	1.40
33	0.66	52	1.04	71	1.42
34	0.68	53	1.06	72	1.44
35	0.70	54	1.08	73	1.46
36	0.72	55	1.10	74	1.48
37	0.74	56	1.12	75	1.50
38	0.76	57	1.14	76	1.52
39	0.78	58	1.16	77	1.54
40	0.80	59	1.18	78	1.56
41	0.82	60	1.20	79	1.58
42	0.84	61	1.22	80	1.60
43	0.86	62	1.24	81	1.62
44	0.88	63	1.26	82	1.64
45	0.90	64	1.28	83	1.66
46	0.92	65	1.30	84	1.68
47	0.94	66	1.32	85	1.70
48	0.96	67	1.34	86	1.72

## CALCULATION FOR OTHER TEMPERATURES

$T_v$  = flow temperature  
 $T_r$  = return temperature  
 $T_l$  = room temperature  
 $Q_v$  = requested capacities

### 1. ΔT Calculation

$$\Delta T = \frac{T_v + T_r}{2} - T_l$$

↓  
 correction factor Cf

Calculation example

70 °C  
 50 °C  
 18 °C  
 25 kWatts

$$\Delta T = \frac{70^\circ\text{C} + 50^\circ\text{C}}{2} - 18^\circ\text{C} = 42$$

↓  
 0.84

### 2. Calculation theoretical output (Qf)

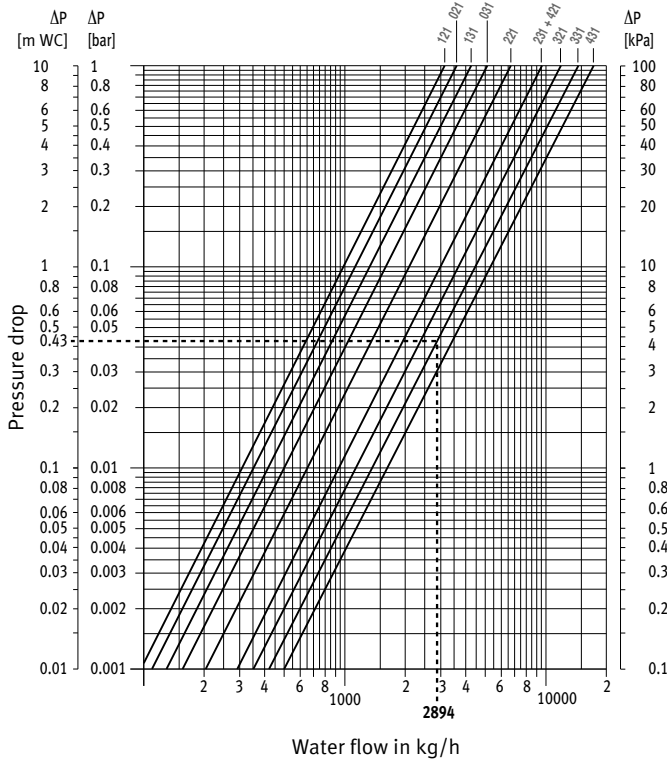
$$Q_f = \frac{Q_v}{C_f}$$

$$Q_f = \frac{25 \text{ kWatts}}{0.84} = 29.76 \text{ kWatts}$$

### 3. Choice unit heater

Select in table ΔT=50 a unit heater with an imaginary output of 29.76 kWatts (Qf). This unit heater will provide the requested output (Qv) of 25 kWatts at a water temperature Tv - Tr (70°C/50°C) and a room temperature Tl (18°C).

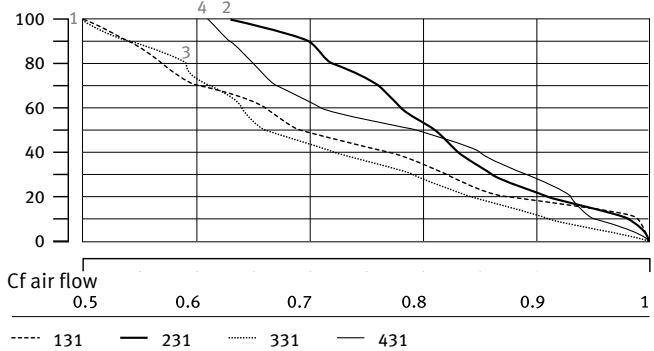
## HYDRAULIC PRESSURE DROP



## AIR FLOW / CORRECTION FACTOR FOR THE AIR FLOW

(Pressure drop with air inlet options)

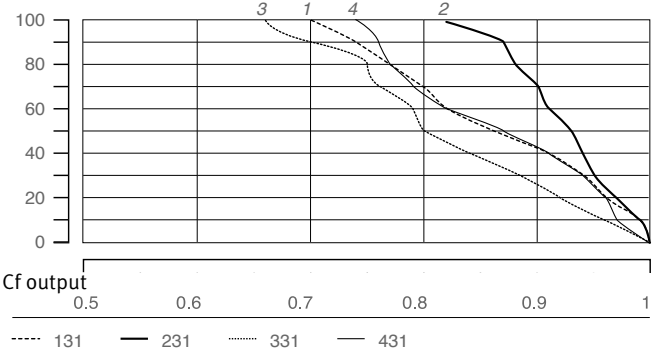
Δp (PA)



## THERMAL OUTPUT / CORRECTION FACTORS FOR THE HEATING LOSS OF OUTPUT

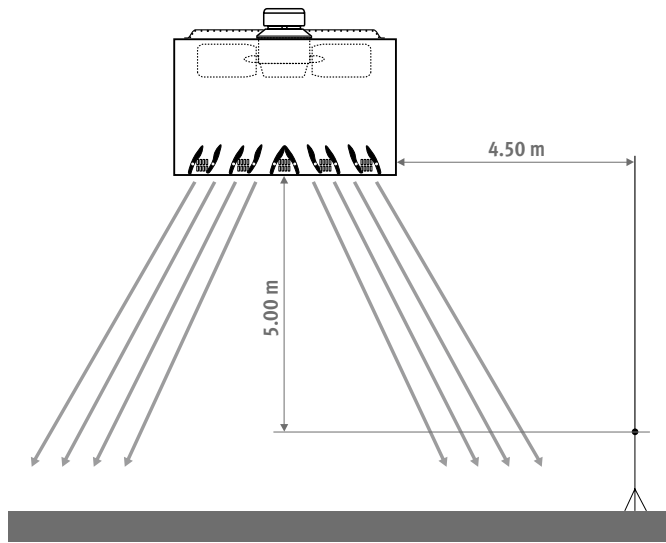
(Pressure drop with air inlet options)

Δp (PA)



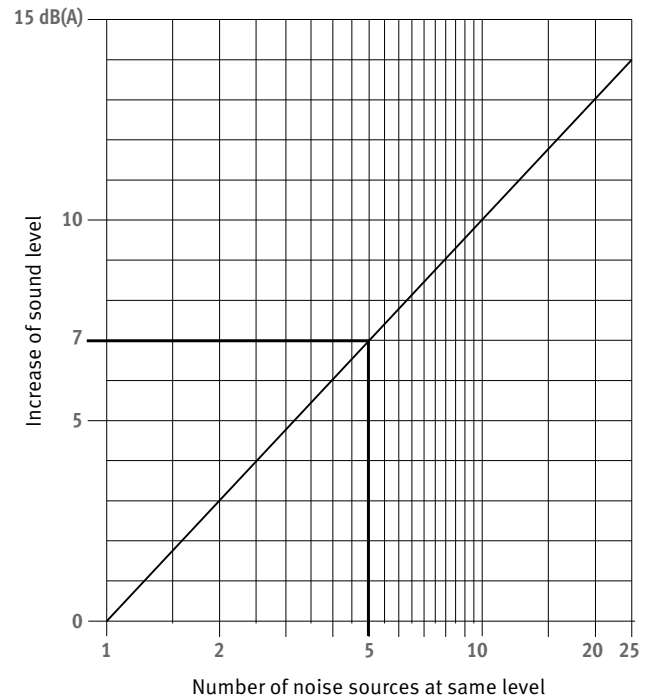
# CORRECTION FACTORS SOUND - AVS® UNIT HEATER

## SOUND PRESSURE



Sound measuring in a room in accordance with (DIN) EN 23741 and 23742

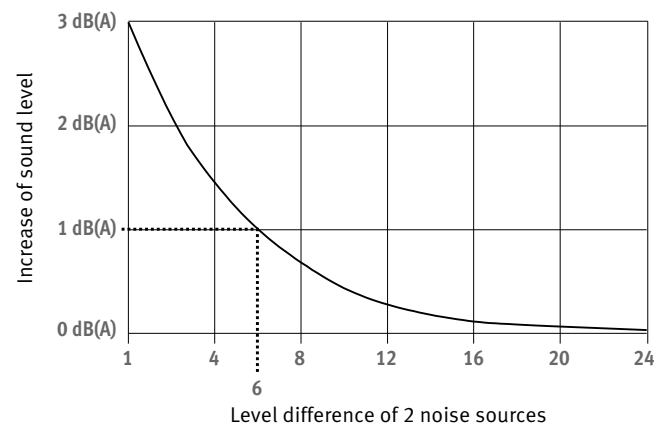
## COMBINATION OF DIFFERENT NOISE SOURCES AT THE SAME SOUND LEVEL



Example:

- given: 5 sound sources of each 53 dB(A)
- asked: the total sound intensity
- the total sound intensity: 53 dB(A) + 7 dB(A) = 60 dB(A)

## COMBINATION OF DIFFERENT NOISE SOURCES WITH DIFFERENT SOUND LEVELS



Example:

- given: 2 sound sources 53 dB(A) and 59 dB(A)
- difference = 6 dB(A)
- asked: the total sound intensity
- the total sound intensity : 59 dB(A) plus 1 dB(A) = 60 dB(A)

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CLIMATE DESIGNERS



More products or info  
see [www.jaga.com](http://www.jaga.com)





# HEATING AND LIGHT COOLING

# FAQ ?!

## **WHAT IS JAGA LIGHT COOLING?**

Light cooling is a form of cooling whereby the water temperature is always higher than the condensing temperature and therefore no condensation water is formed. This is also referred to as high temperature cooling (HTK). This is an energy-efficient way of cooling that's ideal in combination with low temperature heating (LTH), an energy-efficient way of heating.

## **HOW MUCH ENERGY DOES THIS LIGHT COOLING USE ?**

The energy consumption is lower than with low temperature cooling systems (LTC) such as air conditioning systems, especially in combination with a geothermal heat pump. It heats with heat from the ground during the winter and cools by transferring this heat back to the ground in the summer.

## **DO I NEED A HEAT PUMP ?**

It is advisable to install a suitable heat pump if you want to be able to cool down your house. Jaga light cooling does not require condensate drains, which simplifies the installation.

## **IS LIGHT COOLING SUITABLE FOR ANY HOME?**

Yes, if the installation is calculated and executed correctly. It will be even more effective in combination with other solutions to keep the heat out, such as placing solar screens or additional insulation.

## **DO I HAVE SUFFICIENT COOLING CAPACITY?**

A cooling load calculation must be performed to correctly dimension the heat pump and thermal units in order to reach the desired room temperature.

## **HOW HEALTHY OR UNHEALTHY IS THIS LIGHT COOLING?**

The difference with the outside temperature is smaller than with air conditioning and non-condensing cooling is less aggressive. This makes it easier to bear non-condensing cooling, especially for people who can't stand the often too cold and dry air flows of air conditioners.

## **DOES JAGA HAVE ANY OTHER COOLING SOLUTIONS?**

Yes, those who opt for condensing cooling to achieve lower temperatures can , for example, install the Jaga Briza or Clima Canal.

## **WALL HORIZONTAL**

Strada Hybrid p. 208

DBH Upgrade set p. 228

## **WALL BUILT-IN**

Installation in a wall recess Hybrid  
p. 218

## **FLOOR FREESTANDING**

Mini Freestanding Hybrid p.224

## **WALL VERTICAL**

Vertiga Hybrid p. 238

## **FLOOR BUILT-IN**

Mini Canal Hybrid p. 244

Clima Canal 08 p. 256

*True beauty  
is on the inside*

# HEATER TECHNOLOGY CHANGED FOREVER

With numerous products, and as a pioneer in heating design, Jaga has forever changed the look of the heating unit. But climate change and evolutions in building techniques require a new ecological technology to heat and cool down your home.

The development of the Hybrid heating units for heating and light cooling, the successors to the dynamic, low water temperature DBE heating unit ( launched in 2005), has forever changed the technology.

## THE JAGA HYBRID RADIATOR: HEATING OR HEATING + LIGHT COOLING

- **Efficient and effortless heating with the lowest water temperature**
- **Energy-efficient non-condensing cooling in combination with any heat pump that can supply cooling water**
- **Improves the seasonal efficiency of each heat pump**
- **Makes sure that the condensing boilers are operating at their lowest temperature**





MINI CANAL HYBRID



VERTIGA HYBRID



STRADA HYBRID

# HEATING OR HEATING + LIGHT COOLING

## HIGH OUTPUT WITH ALL WATER TEMPERATURES, HOT AND COLD

New, environmentally-friendly installations require much better thermal units. This ensures a comfortable temperature at a low water temperature and a refreshing coolness with non-condensing cooling. Jaga Hybrid heating units are equipped with the brand new DBH system, DB stands for Dynamic Boost, to considerably increase the power of the heater. The H of Hybrid stands for the dual effect: heating and cooling.

- perfectly controlled heating at the lowest water temperature thanks to the hybrid system's reaction speed
- Standard, without changing the direction of the water flow, suitable for energy-efficient non-condensing cooling in combination with any heat pump.

## MOST RESPONSIVE OUTPUT SYSTEM, CRUCIAL FOR HEATING AND COOLING DOWN

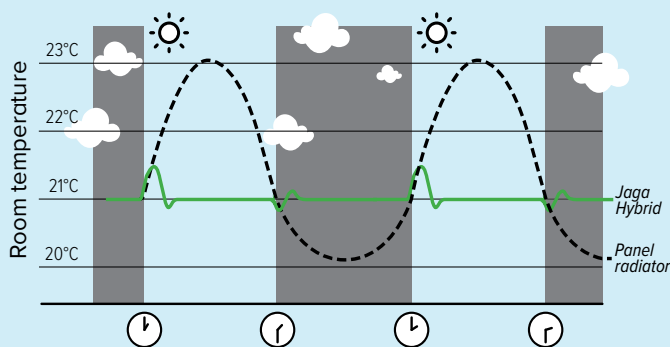
### HEATING

Is the oven or dishwasher on? If the sun shines inside? Your home is a dynamic given with constantly changing temperature conditions and comfort requirements. A quickly reacting heater such as Jaga Hybrid anticipates this and accurately controls the temperature in all circumstances.

### JAGA LIGHT COOLING

The reaction capacity is also crucial for non-condensing cooling. In order to prevent moisture problems, central condensation monitoring must be provided. This can only work efficiently with a very fast-acting delivery system, which immediately adjusts the cooling system in case of a sudden rise in humidity.

More than ever, the responsiveness determines your energy consumption and your comfort.



# MORE OUTPUT, LESS HEATER

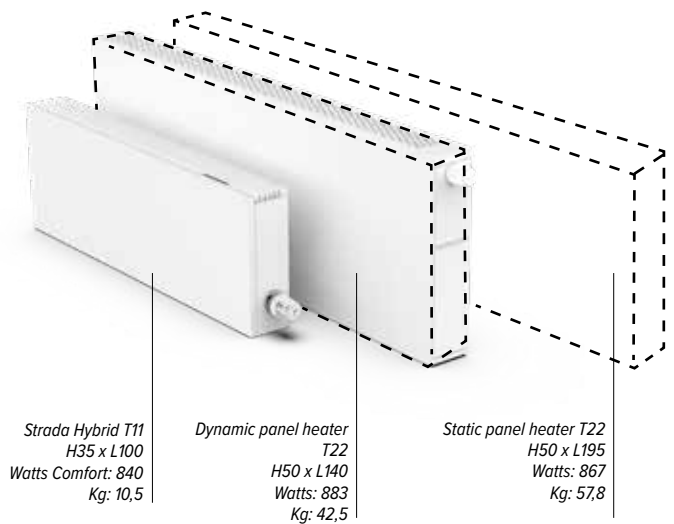
## IDEAL FOR RENOVATIONS AND A SWITCH TO A LOWER WATER TEMPERATURE

### NO LARGER HEATER REQUIRED

The lower the water temperature, the less heat the heating unit can emit. Larger heating units are therefore required. But not so with Jaga's Hybrid system. The Hybrid system provides extra power and enables the switch to lower water temperatures without needing larger heating units.

That is why Jaga Hybrid can be easily combined with any heat pump.

*Example with Strada Hybrid  
Comparison of 850 watts at 45/35/20°C.*



## QUIET CLIMATE COMFORT

### NOISE AND POWER ACCORDING TO THE LATEST EUROPEAN STANDARDS

The cooling and heating power of all Hybrid heating units is measured according to the latest European standards for heating units with integrated fans. Jaga is one of the first to be in compliance with the latest reference standard EN 16430.

The sound power (Lw) is measured according to IS 3741:2010. As usual, for the sound pressure level (Lp) a room attenuation of 8 dB(A) is assumed with a room volume of 100 m<sup>3</sup> and a reverberation time of 0.5 sec.

## FUTURE-PROOF: SPREAD YOUR INVESTMENT.

### AN ENVIRONMENTALLY FRIENDLY TWO-STEP INSTALLATION

Not ready yet for a heat pump? Strada Hybrid heaters also make gas and fuel oil boilers operate at their lowest water temperature level, and therefore as efficiently as possible.

From day 1 you'll start saving money on your energy bill and your installation will be completely ready for a future

without a boiler and CO<sub>2</sub> emissions. You can switch over to an emission-free installation with a heat pump at any time without having to make any changes to the radiators, heat distribution or pipes.

Quite a reassurance.

# jaga

CLIMATE DESIGNERS

## STRADA HYBRID

The most compact heating unit for heating or heating + cooling

Also suitable for Jaga Light cooling

- **Efficient and effortless heating with the lowest water temperature**
- **Energy-efficient non-condensing cooling in combination with any heat pump that can supply cooling water**
- **Improves the seasonal efficiency of each heat pump**
- **Makes sure that the condensing boilers are operating at their lowest temperature and as efficiently as possible.**

“From the designers of the first low temperature heater.”

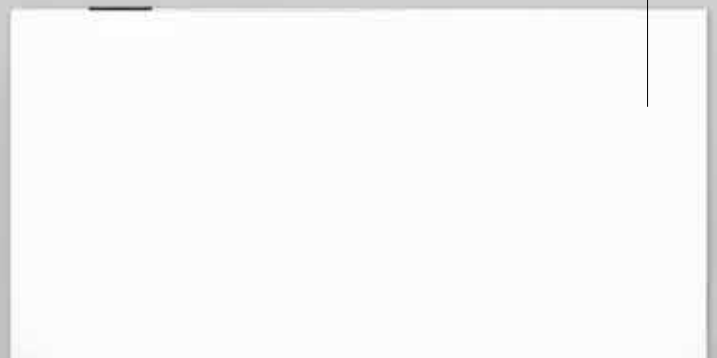


Strada Hybrid T16

H50 x L120

● 55/45/20: 2754 Watts

● 16/18/27: 740 Watts







# STRADA HYBRID



*Strada Hybrid T11  
H35 x L100  
55/45/20: 1600 Watts  
Graphite black RAL 7021 color with Jaga AB thermostat head.*



# HEATING OR HEATING + LIGHT COOLING: THE IDEAL HEAT PUMP HEATING UNIT

## HIGH OUTPUT WITH ALL WATER TEMPERATURES, HOT AND COLD

New, environmentally-friendly installations require much better thermal units. This ensures a comfortable temperature at a low water temperature and a refreshing coolness with non-condensing cooling. Jaga Hybrid heating units are equipped with the brand new DBH system, DB stands for Dynamic Boost, to considerably increase the power of the heater. The H of Hybrid stands for the dual effect: heating and cooling.

- perfectly controlled heating at the lowest water temperature thanks to the hybrid system's reaction speed
- by default, suitable for energy-efficient non-condensing cooling in combination with any heat pump.

## MOST RESPONSIVE OUTPUT SYSTEM CRUCIAL FOR HEATING AND COOLING DOWN

### Heating

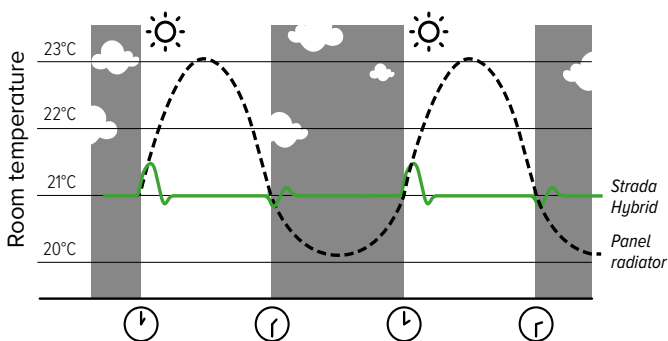
Is the oven or dishwasher on? If the sun shines inside? Your home is a dynamic given with constantly changing temperature conditions and comfort requirements. A quickly reacting heater such as Strada Hybrid anticipates this and accurately controls the temperature in all circumstances.

### Jaga light cooling

The reaction capacity is also crucial for non-condensing cooling. In order to prevent moisture problems, central condensation monitoring must be provided. This can only work efficiently with a very fast-acting delivery system, which immediately adjusts the cooling system in case of a sudden rise in humidity.

**More than ever, the responsiveness determines your energy consumption and your comfort.**

## COMPARISON OF THE REACTION TIME IN CASE OF TEMPERATURE CHANGES



## MULTIFUNCTIONAL INTELLIGENCE

### Auto-change-over mode (Standard)

You do not have to do anything at all to switch between heating and cooling down. Due to its accurate room – and water temperature sensors, the hybrid is fully automated. To achieve the requested temperature you can set 3 different fan speeds, depending on the room where the heating unit is located: bedroom mode max. 26 dB(A), comfort mode max. 30 dB(A) or maximum mode for rapid heating and cooling.

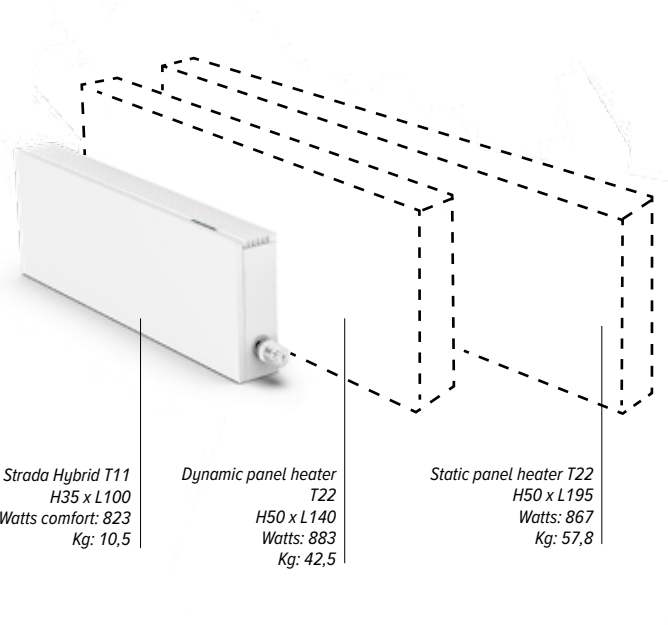
### With breeze feature

The Hybrid heater's DBH system can also be activated if there is no cooling water, so without a heat pump. The vicinity of the heater can already feel less warm with just the air movement of the fans.

## IDEAL FOR RENOVATIONS AND A SWITCH TO A LOWER WATER TEMPERATURE NO LARGER HEATER REQUIRED

The lower the water temperature, the less heat the heater can emit. Extra large heating units are therefore required. But not so with the Strada Hybrid. The DBH system provides sufficient additional power, and you can now switch to a very low water temperature with identical dimensions. **That is why the Strada Hybrid is the very best heat pump heating unit.**

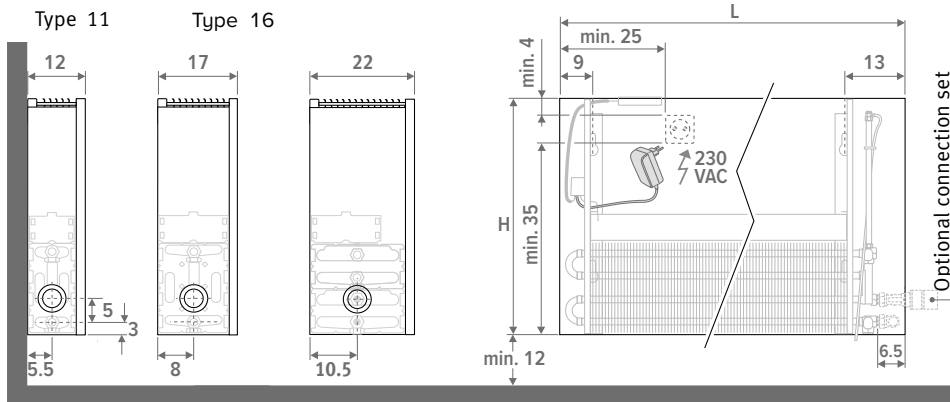
## COMPARISON OF 850 WATTS AT 45/35/20 °C.



Tip: For all info on the Hybrid system see [www.jaga.com/technology/heating/dbh.html](http://www.jaga.com/technology/heating/dbh.html)

# TECHNICAL INFORMATION

## DIMENSIONS (in cm)



## DELIVERY

Easy to install by one person. Delivered in a cardboard box, which can also be used as protection on site after installation.

### Standard delivery:

- Low-H<sub>2</sub>O heat exchanger with wall brackets and fixing kit, air vent 1/8" and drain plug 1/2"
- casing for connection left or right at low level
- cover plate in stainless steel effect for the side panel at the opposite end from the valve
- easy to install DBH-unit with operation, control and 24VDC power supply
- clear installation instructions

⚠ This heater is not equipped with a condensation monitor. It has to be integrated into the installation. (only for cooling)

## COLOURS

Environmentally-friendly, scratch-resistant and UV-resistant powder coating.

### Standard colours:

- Colour 133: traffic white RAL 9016 soft touch lightly structured satin powder coating
- Colour 001: sandblast grey fine texture metallic powder coating
- Colour 145: off-black RAL 7021 Soft touch: finely-textured matte look, gloss degree < 10%

### Other colours:

see colour chart on [www.jaga.com](http://www.jaga.com)

## ELECTRICAL CONNECTION

The DBH system requires an electrical outlet near the heating unit. If it has a height of 50, 65 and 95 cm, an electrical outlet or power cable can be installed in the casing. If the height is 30 cm, only the power cable can be installed inside the casing. Connection to an external electrical outlet is always possible. Do not connect the electrical and hydraulic connection to the same side of the coil.

## HYDRAULIC CONNECTION

### Heating

Supply / return on the bottom left or right, to the wall or floor. Wall connection via bottom or completely invisible within the cladding with valve set 225/265.

### Heating and cooling

The same connections and valve sets can be used for heating and cooling as for single heating. For the valve sets, use the version with the Heimeier thermostat head HC for heating and cooling or the version with a manual valve. It doesn't get any simpler!

## OPERATION OF THE DBH SYSTEM

**Strada Hybrid** is by default equipped with the DBH-control in Auto-Change-Over mode. The desired room temperature is set via a room thermostat or the heating unit's thermostat head. The Strada Hybrid heater has accurate sensors for both the room and water temperature. DBH automatically switches between standby / heating / cooling based on the measured values.

- suitable for heating or heating and cooling with the thermostat head HC or the manual button MA.
- noise level monitoring, officially measured according to ISO 3741: 2010
- with breeze feature for a fan effect, does not depend on the water temperature.
- colored LEDs indicate the feature and the fan speed.

⚠ Het DBH-system will not control the heat pump or the boiler and therefore cannot replace a room thermostat

## NOISE AND POWER ACCORDING TO THE LATEST EUROPEAN STANDARDS

The heat output of the Strada Hybrid was measured according to the latest European standards regarding heating units with integrated fans. Jaga is one of the first to comply with the new reference standard **EN 16430**.

The sound power (L<sub>w</sub>) of the Strada Hybrid is measured in accordance with **ISO 3741:2010**. As is customary for the sound pressure (L<sub>p</sub>), room attenuation of 8 dB(A) is assumed for room content of 100 m<sup>3</sup> and a reverberation time of 0.5 sec.

## HOW TO SELECT STRADA HYBRID

Strada Hybrid is selected in comfort mode, **position 2 in bold** in the output tables. This guarantees a quiet operation at a maximum of 30 dB(A). Position 1 is an extremely quiet bedroom setting with a maximum of 26 dB(A). Position 3 provides a maximum boost and the very high output serves primarily to heat up and cool down a room as quickly as possible. In this mode the noise is between 42 and 46 dB(A).

### How loud is a decibel?

dB(A)	Perception	Examples
10	hardly to hear	breathing, a falling leave
20	just audible	radio studio, rustling of tree leaves
30	very quiet	library (30 to 40), whispering
40	quiet	living room, quiet classroom, soft buzz, fridge
50	limited sound	air conditioning, normal conversation, dishwasher

# OUTPUTS STRADA HYBRID

## HEIGHT 035

DIMENSIONS			POSITION	HEATING Room temperature 20°C				COOLING Room temperature 27°C	SOUND PRESSURE dB(A)	ELECTRIC POWER CONSUMPTION W	PRICE Standard colours €	PRICE Other colours €	ORDER CODE	
H cm	L cm	B cm		75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	16/18 Watts						
035	060	11	1	1142	647	409	246	191	26,0	4,8	724	837	STRW.035 060 11 /133 /ACO	
			2	1223	693	438	263	205	30,0	5,4				
			3	1447	819	518	311	242	40,0	6,8				
	16	1	1400	793	501	301	214	26,0	4,8	800	913	STRW.035 060 16 /133 /ACO		
		2	1503	851	538	323	230	30,0	5,5					
		3	1989	1126	712	428	305	41,1	7,2					
	080	11	11	1	1648	933	589	355	276	26,0	6,3	819	932	STRW.035 080 11 /133 /ACO
				2	1770	1002	633	381	296	30,0	6,8			
				3	2136	1210	764	460	358	41,8	9,1			
		16	1	2040	1156	730	439	312	26,0	6,0	921	1034	STRW.035 080 16 /133 /ACO	
			2	2188	1239	783	471	335	30,0	6,7				
			3	2936	1663	1050	632	450	42,4	9,0				
100	11	11	1	2136	1210	764	460	358	26,0	7,8	965	1144	STRW.035 100 11 /133 /ACO	
			2	2301	1303	823	495	385	30,0	8,7				
			3	2825	1600	1011	608	473	43,0	12,2				
	16	1	2630	1490	941	566	403	26,0	7,0	1111	1291	STRW.035 100 16 /133 /ACO		
		2	2817	1595	1008	606	431	30,0	7,7					
		3	3883	2199	1389	836	595	44,1	10,7					
120	11	11	1	2612	1479	935	562	437	26,0	8,9	1061	1241	STRW.035 120 11 /133 /ACO	
			2	2822	1598	1010	607	473	30,0	9,9				
			3	3514	1990	1257	756	589	44,0	14,8				
	16	1	3242	1836	1160	698	496	26,0	8,7	1227	1407	STRW.035 120 16 /133 /ACO		
		2	3472	1966	1242	747	532	30,0	9,8					
		3	4830	2735	1728	1039	740	44,8	14,3					
140	11	11	1	3077	1743	1101	662	515	26,0	10,1	1156	1335	STRW.035 140 11 /133 /ACO	
			2	3333	1887	1192	717	558	30,0	11,2				
			3	4203	2380	1504	904	704	44,8	17,5				
	16	1	3844	2177	1376	827	589	26,0	9,6	1338	1518	STRW.035 140 16 /133 /ACO		
		2	4117	2332	1473	886	630	30,0	10,5					
		3	5777	3272	2067	1243	885	45,4	14,4					
160	11	11	1	3533	2001	1264	760	592	26,0	11,0	1405	1584	STRW.035 160 11 /133 /ACO	
			2	3835	2172	1372	825	642	30,0	12,4				
			3	4892	2771	1750	1053	819	45,5	19,2				
	16	1	4418	2502	1581	951	676	26,0	11,5	1648	1827	STRW.035 160 16 /133 /ACO		
		2	4717	2671	1688	1015	722	30,0	12,8					
		3	6724	3808	2406	1447	1030	46,4	19,6					
200	11	11	1	4423	2505	1582	952	741	26,0	13,4	1613	1927	STRW.035 200 11 /133 /ACO	
			2	4821	2730	1725	1037	807	30,0	14,8				
			3	6270	3551	2243	1349	1050	46,5	24,0				
	16	1	5667	3210	2028	1220	868	26,0	13,2	1947	2261	STRW.035 200 16 /133 /ACO		
		2	5971	3382	2137	1285	914	30,0	14,7					
		3	8618	4881	3083	1855	1320	47,1	23,5					
240	11	11	1	5238	2967	1874	1127	877	26,0	14,8	1997	2311	STRW.035 240 11 /133 /ACO	
			2	5738	3250	2053	1235	961	30,0	16,6				
			3	7648	4331	2736	1646	1281	47,2	28,0				
	16	1	6916	3917	2475	1488	1059	26,0	16,4	2431	2744	STRW.035 240 16 /133 /ACO		
		2	7168	4060	2565	1543	1098	30,0	17,7					
		3	10512	5953	3761	2262	1610	48,1	29,7					
280	11	11	1	5977	3385	2138	1286	956	26,0	16,2	2179	2492	STRW.035 280 11 /133 /ACO	
			2	6599	3737	2361	1420	1056	30,0	18,6				
			3	8790	4978	3145	1892	1406	47,8	31,4				
	16	1	8166	4625	2922	1757	1250	26,0	19,3	2688	3001	STRW.035 280 16 /133 /ACO		
		2	8348	4728	2987	1797	1278	30,0	20,4					
		3	12406	7026	4439	2670	1900	48,9	34,5					

Output measured in accordance with EN 16430

Standard colour: **133** (traffic white RAL 9016)  
or **001** (sandblast grey)  
Other colours see Jaga colour chart

## OUTPUT EXPLANATION

**HEATING CAPACITY**  
Due to the perfect combination of the DBH system and the extremely powerful Low-H<sub>2</sub>O coil, the heater's height no longer influences the heat capacity. Thanks to the DBH system, maximum output is available for even the smallest heaters!

**COOLING CAPACITY**  
The cooling capacity remains constant for all types with a maximum height of 50 cm. If the height exceeds 50 cm, the cooling capacity for types 11, 16 and 21 is reduced by approximately 5% for each additional 10 cm of height.



**Tip:** For all other dimensions, see [www.jaga.com/Products/Horizontal/Strada/hybrid-ACO](http://www.jaga.com/Products/Horizontal/Strada/hybrid-ACO)

# OUTPUTS STRADA HYBRID

## HEIGHT 050

DIMENSIONS			POSITION	HEATING Room temperature 20°C				COOLING Room temperature 27°C	SOUND PRESSURE	ELECTRIC POWER CONSUMPTION	PRICE		ORDER CODE
H	L	B		75/65	55/45	45/35	35/30	16/18			Standard colours	Other colours	
cm	cm	cm		Watts	Watts	Watts	Watts	Watts	dB(A)	W	€	€	
050	060	11	1	1142	647	409	246	191	26.0	4.8	742	855	STRW.050 060 11 /133 /ACO
			2	1223	693	438	263	205	30.0	5.4			
			3	1447	819	518	311	242	40.0	6.8			
	16	1	1400	793	501	301	214	26.0	4.8	818	931	STRW.050 060 16 /133 /ACO	
		2	1503	851	538	323	230	30.0	5.5				
		3	1989	1126	712	428	305	41.1	7.2				
080	11	11	1	1648	933	589	355	276	26.0	6.3	840	953	STRW.050 080 11 /133 /ACO
			2	1770	1002	633	381	296	30.0	6.8			
			3	2136	1210	764	460	358	41.8	9.1			
	16	1	2040	1156	730	439	312	26.0	6.0	945	1058	STRW.050 080 16 /133 /ACO	
		2	2188	1239	783	471	335	30.0	6.7				
		3	2936	1663	1050	632	450	42.4	9.0				
100	11	11	1	2136	1210	764	460	358	26.0	7.8	989	1168	STRW.050 100 11 /133 /ACO
			2	2301	1303	823	495	385	30.0	8.7			
			3	2825	1600	1011	608	473	43.0	12.2			
	16	1	2630	1490	941	566	403	26.0	7.0	1135	1315	STRW.050 100 16 /133 /ACO	
		2	2817	1595	1008	606	431	30.0	7.7				
		3	3883	2199	1389	836	595	44.1	10.7				
120	11	11	1	2612	1479	935	562	437	26.0	8.9	1087	1267	STRW.050 120 11 /133 /ACO
			2	2822	1598	1010	607	473	30.0	9.9			
			3	3514	1990	1257	756	589	44.0	14.8			
	16	1	3242	1836	1160	698	496	26.0	8.7	1254	1434	STRW.050 120 16 /133 /ACO	
		2	3472	1966	1242	747	532	30.0	9.8				
		3	4830	2735	1728	1039	740	44.8	14.3				
140	11	11	1	3077	1743	1101	662	515	26.0	10.1	1186	1365	STRW.050 140 11 /133 /ACO
			2	3333	1887	1192	717	558	30.0	11.2			
			3	4203	2380	1504	904	704	44.8	17.5			
	16	1	3844	2177	1376	827	589	26.0	9.6	1370	1549	STRW.050 140 16 /133 /ACO	
		2	4117	2332	1473	886	630	30.0	10.5				
		3	5777	3272	2067	1243	885	45.4	14.4				
160	11	11	1	3533	2001	1264	760	592	26.0	11.0	1440	1620	STRW.050 160 11 /133 /ACO
			2	3835	2172	1372	825	642	30.0	12.4			
			3	4892	2771	1750	1053	819	45.5	19.2			
	16	1	4418	2502	1581	951	676	26.0	11.5	1685	1864	STRW.050 160 16 /133 /ACO	
		2	4717	2671	1688	1015	722	30.0	12.8				
		3	6724	3808	2406	1447	1030	46.4	19.6				
200	11	11	1	4423	2505	1582	952	741	26.0	13.4	1655	1968	STRW.050 200 11 /133 /ACO
			2	4821	2730	1725	1037	807	30.0	14.8			
			3	6270	3551	2243	1349	1050	46.5	24.0			
	16	1	5667	3210	2028	1220	868	26.0	13.2	1990	2303	STRW.050 200 16 /133 /ACO	
		2	5971	3382	2137	1285	914	30.0	14.7				
		3	8618	4881	3083	1855	1320	47.1	23.5				
240	11	11	1	5238	2967	1874	1127	877	26.0	14.8	2047	2360	STRW.050 240 11 /133 /ACO
			2	5738	3250	2053	1235	961	30.0	16.6			
			3	7648	4331	2736	1646	1281	47.2	28.0			
	16	1	6916	3917	2475	1488	1059	26.0	16.4	2482	2795	STRW.050 240 16 /133 /ACO	
		2	7168	4060	2565	1543	1098	30.0	17.7				
		3	10512	5953	3761	2262	1610	48.1	29.7				
280	11	11	1	5977	3385	2138	1286	956	26.0	16.2	2235	2548	STRW.050 280 11 /133 /ACO
			2	6599	3737	2361	1420	1056	30.0	18.6			
			3	8790	4978	3145	1892	1406	47.8	31.4			
	16	1	8166	4625	2922	1757	1250	26.0	19.3	2746	3060	STRW.050 280 16 /133 /ACO	
		2	8348	4728	2987	1797	1278	30.0	20.4				
		3	12406	7026	4439	2670	1900	48.9	34.5				

## OUTPUT EXPLANATION

**HEATING CAPACITY**  
Due to the perfect combination of the DBH system and the extremely powerful Low-H<sub>2</sub>O coil, the heater's height no longer influences the heat capacity. Thanks to the DBH system, maximum output is available for even the smallest heaters!

**COOLING CAPACITY**  
The cooling capacity remains constant for all types with a maximum height of 50 cm. If the height exceeds 50 cm, the cooling capacity for types 11, 16 and 21 is reduced by approximately 5% for each additional 10 cm of height.

Output measured in accordance with EN 16430

Standard colour: 133 (traffic white RAL 9016)  
or 001 (sandblast grey)  
Other colours see Jaga colour chart



Tip: For all other dimensions, see [www.jaga.com/Products/Horizontal/Strada/hybrid-ACO](http://www.jaga.com/Products/Horizontal/Strada/hybrid-ACO)

# OUTPUTS STRADA HYBRID

## HEIGHT 065

DIMENSIONS			POSITION	HEATING Room temperature 20°C				COOLING Room temperature 27°C	SOUND PRESSURE dB(A)	ELECTRIC POWER CONSUMPTION W	PRICE Standard colours €	PRICE Other colours €	ORDER CODE
H cm	L cm	B cm		75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	16/18 Watts					
065	060	11	1	1142	647	409	246	177	26.0	4.8	762	875	STRW.065 060 11 /133 /ACO
			2	1223	693	438	263	189	30.0	5.4			
			3	1447	819	518	311	224	40.0	6.8			
	16	1	1400	793	501	301	198	26.0	4.8	845	958	STRW.065 060 16 /133 /ACO	
		2	1503	851	538	323	213	30.0	5.5				
		3	1989	1126	712	428	282	41.1	7.2				
	080	11	1	1648	933	589	355	255	26.0	6.3	863	976	STRW.065 080 11 /133 /ACO
			2	1770	1002	633	381	274	30.0	6.8			
			3	2136	1210	764	460	331	41.8	9.1			
		16	1	2040	1156	730	439	289	26.0	6.0	973	1086	STRW.065 080 16 /133 /ACO
			2	2188	1239	783	471	310	30.0	6.7			
			3	2936	1663	1050	632	416	42.4	9.0			
	100	11	1	2136	1210	764	460	331	26.0	7.8	1013	1192	STRW.065 100 11 /133 /ACO
			2	2301	1303	823	495	357	30.0	8.7			
			3	2825	1600	1011	608	438	43.0	12.2			
		16	1	2630	1490	941	566	373	26.0	7.0	1163	1343	STRW.065 100 16 /133 /ACO
			2	2817	1595	1008	606	399	30.0	7.7			
			3	3883	2199	1389	836	550	44.1	10.7			
120	11	1	2612	1479	935	562	405	26.0	8.9	1117	1297	STRW.065 120 11 /133 /ACO	
		2	2822	1598	1010	607	437	30.0	9.9				
		3	3514	1990	1257	756	544	44.0	14.8				
	16	1	3242	1836	1160	698	459	26.0	8.7	1288	1467	STRW.065 120 16 /133 /ACO	
		2	3472	1966	1242	747	492	30.0	9.8				
		3	4830	2735	1728	1039	684	44.8	14.3				
140	11	1	3077	1743	1101	662	477	26.0	10.1	1219	1399	STRW.065 140 11 /133 /ACO	
		2	3333	1887	1192	717	516	30.0	11.2				
		3	4203	2380	1504	904	651	44.8	17.5				
	16	1	3844	2177	1376	827	544	26.0	9.6	1409	1588	STRW.065 140 16 /133 /ACO	
		2	4117	2332	1473	886	583	30.0	10.5				
		3	5777	3272	2067	1243	818	45.4	14.4				
160	11	1	3533	2001	1264	760	547	26.0	11.0	1478	1658	STRW.065 160 11 /133 /ACO	
		2	3835	2172	1372	825	594	30.0	12.4				
		3	4892	2771	1750	1053	758	45.5	19.2				
	16	1	4418	2502	1581	951	626	26.0	11.5	1728	1908	STRW.065 160 16 /133 /ACO	
		2	4717	2671	1688	1015	668	30.0	12.8				
		3	6724	3808	2406	1447	952	46.4	19.6				
200	11	1	4423	2505	1582	952	685	26.0	13.4	1697	2011	STRW.065 200 11 /133 /ACO	
		2	4821	2730	1725	1037	747	30.0	14.8				
		3	6270	3551	2243	1349	971	46.5	24.0				
	16	1	5667	3210	2028	1220	803	26.0	13.2	2039	2352	STRW.065 200 16 /133 /ACO	
		2	5971	3382	2137	1285	846	30.0	14.7				
		3	8618	4881	3083	1855	1221	47.1	23.5				
240	11	1	5238	2967	1874	1127	812	26.0	14.8	2099	2412	STRW.065 240 11 /133 /ACO	
		2	5738	3250	2053	1235	889	30.0	16.6				
		3	7648	4331	2736	1646	1185	47.2	28.0				
	16	1	6916	3917	2475	1488	980	26.0	16.4	2543	2856	STRW.065 240 16 /133 /ACO	
		2	7168	4060	2565	1543	1015	30.0	17.7				
		3	10512	5953	3761	2262	1489	48.1	29.7				
280	11	1	5977	3385	2138	1286	885	26.0	16.2	2294	2607	STRW.065 280 11 /133 /ACO	
		2	6599	3737	2361	1420	977	30.0	18.6				
		3	8790	4978	3145	1892	1301	47.8	31.4				
	16	1	8166	4625	2922	1757	1156	26.0	19.3	2812	3125	STRW.065 280 16 /133 /ACO	
		2	8348	4728	2987	1797	1182	30.0	20.4				
		3	12406	7026	4439	2670	1757	48.9	34.5				

Output measured in accordance with EN 16430

Standard colour: **133** (traffic white RAL 9016)  
or **001** (sandblast grey)  
Other colours see Jaga colour chart

## OUTPUT EXPLANATION

**HEATING CAPACITY**  
Due to the perfect combination of the DBH system and the extremely powerful Low-H<sub>2</sub>O coil, the heater's height no longer influences the heat capacity. Thanks to the DBH system, maximum output is available for even the smallest heaters!

**COOLING CAPACITY**  
The cooling capacity remains constant for all types with a maximum height of 50 cm. If the height exceeds 50 cm, the cooling capacity for types 11, 16 and 21 is reduced by approximately 5% for each additional 10 cm of height.



Tip: For all other dimensions, see [www.jaga.com/Products/Horizontal/Strada/hybrid-ACO](http://www.jaga.com/Products/Horizontal/Strada/hybrid-ACO)

# OUTPUTS STRADA HYBRID

## HEIGHT 095

DIMENSIONS			POSITION	HEATING Room temperature 20°C				COOLING Room temperature 27°C	SOUND PRESSURE dB(A)	ELECTRIC POWER CONSUMPTION W	PRICE Standard colours €	PRICE Other colours €	ORDER CODE
H cm	L cm	B cm		75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	16/18 Watts					
095	060	11	1	1142	647	409	246	148	26.0	4.8	791	904	STRW.095 060 11 /133 /ACO
			2	1223	693	438	263	159	30.0	5.4			
			3	1447	819	518	311	188	40.0	6.8			
	16	1	1400	793	501	301	166	26.0	4.8	879	992	STRW.095 060 16 /133 /ACO	
		2	1503	851	538	323	178	30.0	5.5				
		3	1989	1126	712	428	236	41.1	7.2				
080	11	11	1	1648	933	589	355	214	26.0	6.3	896	1009	STRW.095 080 11 /133 /ACO
			2	1770	1002	633	381	230	30.0	6.8			
			3	2136	1210	764	460	277	41.8	9.1			
	16	1	2040	1156	730	439	242	26.0	6.0	1015	1128	STRW.095 080 16 /133 /ACO	
		2	2188	1239	783	471	260	30.0	6.7				
		3	2936	1663	1050	632	348	42.4	9.0				
100	11	11	1	2136	1210	764	460	277	26.0	7.8	1057	1237	STRW.095 100 11 /133 /ACO
			2	2301	1303	823	495	299	30.0	8.7			
			3	2825	1600	1011	608	367	43.0	12.2			
	16	1	2630	1490	941	566	312	26.0	7.0	1216	1395	STRW.095 100 16 /133 /ACO	
		2	2817	1595	1008	606	334	30.0	7.7				
		3	3883	2199	1389	836	461	44.1	10.7				
120	11	11	1	2612	1479	935	562	339	26.0	8.9	1167	1347	STRW.095 120 11 /133 /ACO
			2	2822	1598	1010	607	366	30.0	9.9			
			3	3514	1990	1257	756	456	44.0	14.8			
	16	1	3242	1836	1160	698	385	26.0	8.7	1347	1526	STRW.095 120 16 /133 /ACO	
		2	3472	1966	1242	747	412	30.0	9.8				
		3	4830	2735	1728	1039	573	44.8	14.3				
140	11	11	1	3077	1743	1101	662	399	26.0	10.1	1280	1460	STRW.095 140 11 /133 /ACO
			2	3333	1887	1192	717	433	30.0	11.2			
			3	4203	2380	1504	904	546	44.8	17.5			
	16	1	3844	2177	1376	827	456	26.0	9.6	1479	1659	STRW.095 140 16 /133 /ACO	
		2	4117	2332	1473	886	489	30.0	10.5				
		3	5777	3272	2067	1243	685	45.4	14.4				

### OUTPUT EXPLANATION

**HEATING CAPACITY**  
Due to the perfect combination of the DBH system and the extremely powerful Low-H<sub>2</sub>O coil, the heater's height no longer influences the heat capacity. Thanks to the DBH system, maximum output is available for even the smallest heaters!

**COOLING CAPACITY**  
The cooling capacity remains constant for all types with a maximum height of 50 cm. If the height exceeds 50 cm, the cooling capacity for types 11, 16 and 21 is reduced by approximately 5% for each additional 10 cm of height.

Output measured in accordance with EN 16430

Standard colour: 133 (traffic white RAL 9016)  
or 001 (sandblast grey)  
Other colours see Jaga colour chart



**Tip:** For all other dimensions, see [www.jaga.com/Products/Horizontal/Strada/hybrid-ACO](http://www.jaga.com/Products/Horizontal/Strada/hybrid-ACO)





# jaga

CLIMATE DESIGNERS

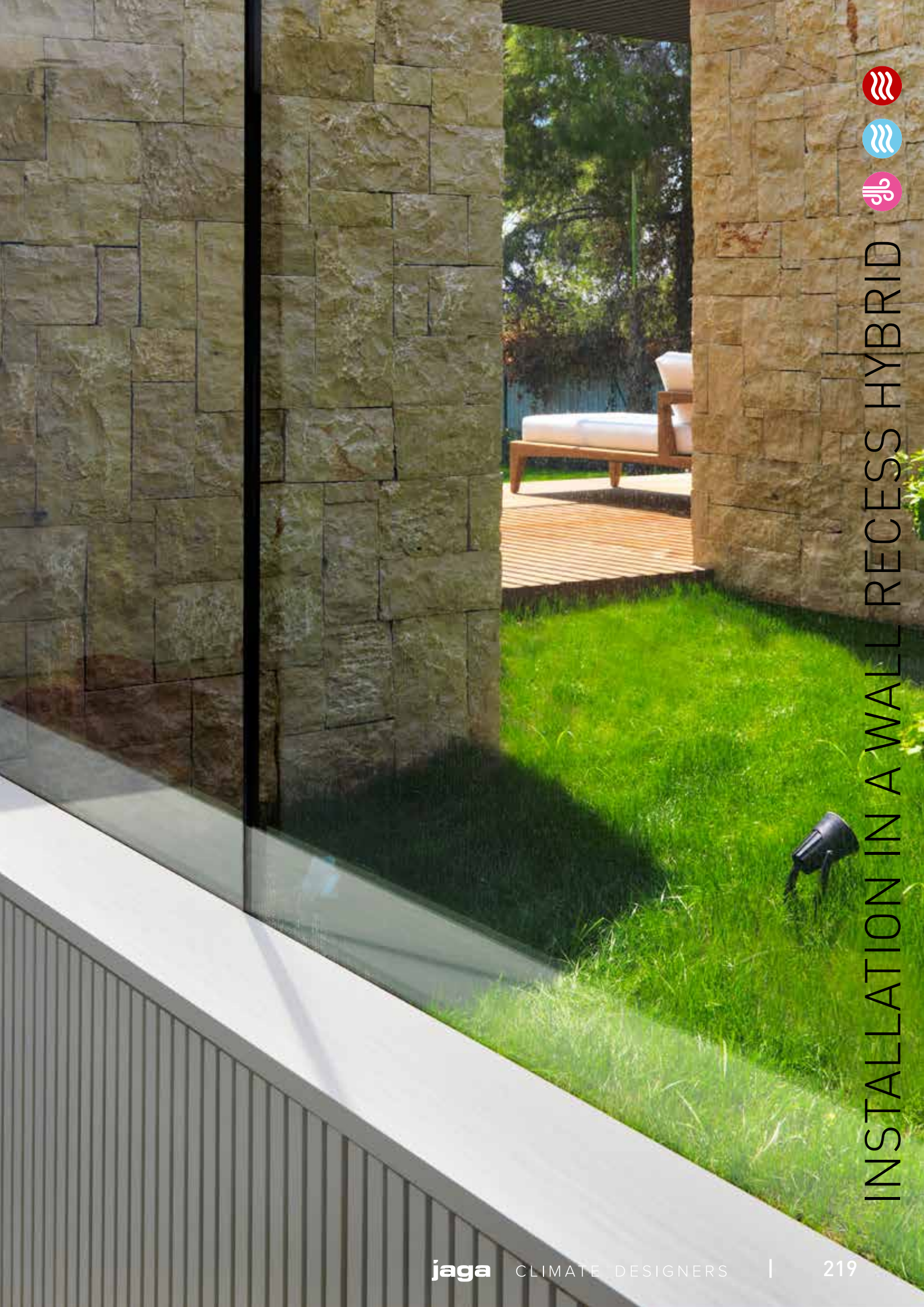
## INSTALLATION IN A WALL RECESS HYBRID

Compact built-in heating unit  
for heating or heating + cooling

- **Efficient and effortless heating with the lowest water temperature**  
Energy-efficient non-condensing cooling in combination with any heat pump that can supply cooling water
- **Improves the seasonal efficiency of each heat pump**
- **Makes sure that the condensing boilers are operating at their lowest temperature and as efficiently as possible.**

Also  
suitable for  
Jaga Light  
cooling





INSTALLATION IN A WALL RECESS HYBRID



Installation in a wall recess Hybrid T16  
H30 x L120  
● 55/45/20: 2735 Watts  
● 16/18/27: 740 Watts

# HEATING OR HEATING + LIGHT COOLING: THE IDEAL HEAT PUMP HEATING UNIT

## HIGH OUTPUT WITH ALL WATER TEMPERATURES, HOT AND COLD

New, environmentally-friendly installations require much better thermal units. This ensures a comfortable temperature at a low water temperature and a refreshing coolness with non-condensing cooling. Jaga Hybrid heating units are equipped with the brand new DBH system, DB stands for Dynamic Boost, to considerably increase the power of the heater. The H of Hybrid stands for the dual effect: heating and cooling.

- perfectly controlled heating at the lowest water temperature thanks to the hybrid system's reaction speed
- by default, suitable for energy-efficient non-condensing cooling in combination with any heat pump.

## MOST RESPONSIVE OUTPUT SYSTEM CRUCIAL FOR HEATING AND COOLING DOWN

### Heating

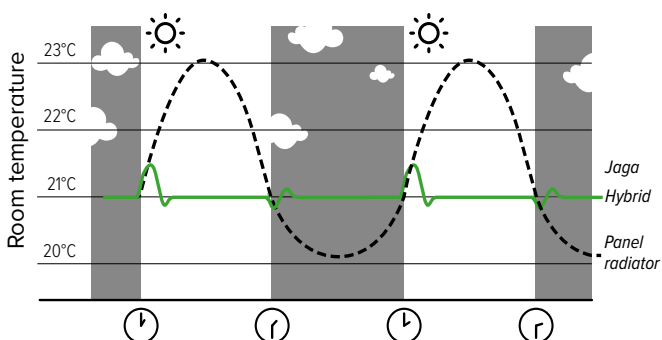
Is the oven or dishwasher on? If the sun shines inside? Your home is a dynamic given with constantly changing temperature conditions and comfort requirements. A quickly reacting heater such as Strada Hybrid anticipates this and accurately controls the temperature in all circumstances.

### Jaga light cooling

The reaction capacity is also crucial for non-condensing cooling. In order to prevent moisture problems, central condensation monitoring must be provided. This can only work efficiently with a very fast-acting delivery system, which immediately adjusts the cooling system in case of a sudden rise in humidity.

**More than ever, the responsiveness determines your energy consumption and your comfort.**

## COMPARISON OF THE REACTION TIME IN CASE OF TEMPERATURE CHANGES



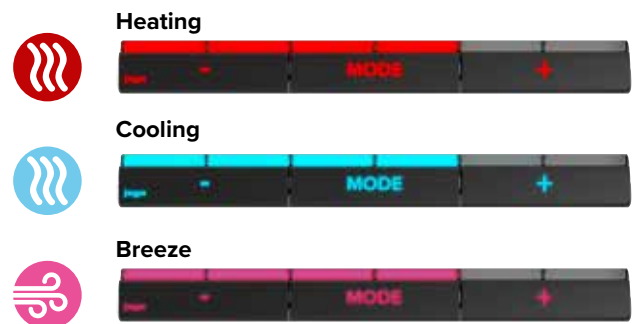
## MULTIFUNCTIONAL INTELLIGENCE

### Auto-change-over mode (Standard)

You do not have to do anything at all to switch between heating and cooling down. Due to its accurate room – and water temperature sensors, the hybrid is fully automated. To achieve the requested temperature you can set 3 different fan speeds, depending on the room where the heating unit is located: bedroom mode max. 26 dB(A), comfort mode max. 30 dB(A) or maximum mode for rapid heating and cooling.

### With breeze feature

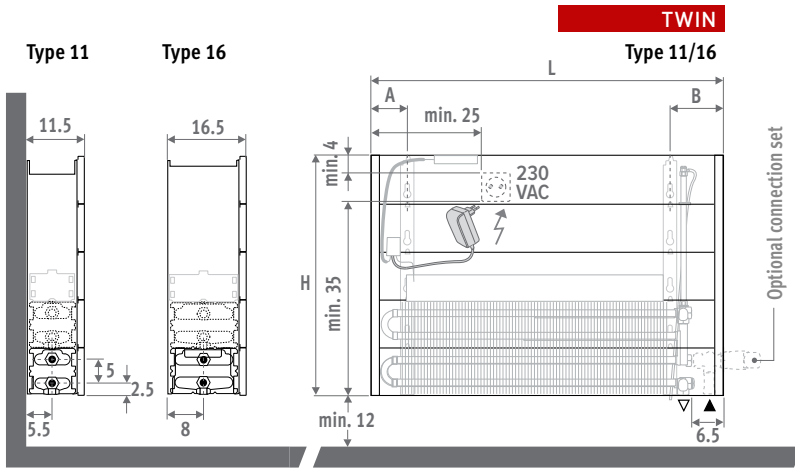
The Hybrid heater's DBH system can also be activated if there is no cooling water, so without a heat pump. The vicinity of the heater can already feel less warm with just the air movement of the fans.



# INSTALLATION IN A WALL RECESS HYBRID



## DIMENSIONS (in cm)



## ORDER CODE

Code	Height	Length	Type
BIWW . 030	060	11	/ACO

## GUIDELINES FOR INSTALLATION

Set up the boxes so that the heat exchanger remains accessible for an annual cleaning service.

The outputs indicated are based on a free air flow of 75% of the depth. If the free opening is smaller, a correction factor must be applied to calculate the heat output.

% Free air flow	Correction factor
75	1.00
60	0.96
50	0.92
40	0.84
30	0.66

## DELIVERY

Light and easily installed by one person. Delivered flat packed in 2 packages for ease of handling and storage.

### Standard delivery:

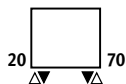
- Low-H<sub>2</sub>O heat exchanger with wall brackets and fixing kit
- air vent elbow (standard) or extended air vent (twin) 1/8" and drain plug 1/2"
- separation wall dark grey lacquered (not suitable as finished casing)
- Easy to install DBH-unit with operation, control and 24VDC power supply
- clear installation instructions

⚠ This heater is not equipped with a condensation monitor. It has to be integrated into the installation. (only for cooling)

## CONNECTION

### Standard connection

bottom end left or right



## ELECTRICAL CONNECTION

For the DBH system an available socket is required. At a height of 50, 65 and 95 cm a 230V socket or a 24V power cable can be placed inside the unit. At height of 35 cm, only a power cable can be placed inside the casing or an outlet next to the unit. Do not connect the electrical and hydraulic connections on the same side of the coil.

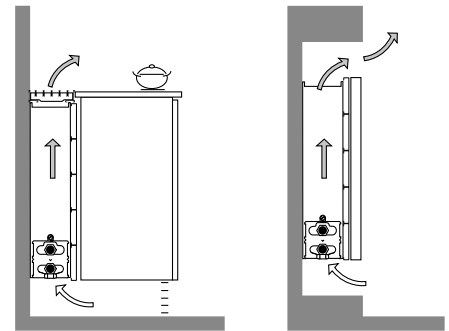
## HYDRAULIC CONNECTION

### Heating

Supply/ return left or right bottom towards the back or downwards

### Heating and cooling

The same connections and valve sets can be used for heating and cooling as for single heating. For the valve sets, use the version with the Heimeier thermostat head HC for heating and cooling or the version with a manual valve. It doesn't get any simpler!



# OUTPUTS INSTALLATION IN A WALL RECESS HYBRID

HEIGHT 030 - 050 - 070

DIMENSIONS			POSITION	HEATING Room temperature 20°C				COOLING Room temperature 27°C	SOUND PRESSURE dB(A)	ELECTRIC POWER CONSUMPTION W	PRICE H030	PRICE H040	PRICE H050	PRICE H060	ORDER CODE
H	L	B		75/65	55/45	45/35	35/30	16/18			€	€	€	€	
cm	cm	cm		Watts	Watts	Watts	Watts	Watts							
HHH 060	11	1	1142	647	409	246	191	26.0	4.8	614	625	634	645	BIWW.HHH 060 11 /ACO	
		2	1223	693	438	263	205	30.0	5.4						
		3	1447	819	518	311	242	40.0	6.8						
	16	1	1400	793	501	301	214	26.0	4.8	676	690	703	714	BIWW.HHH 060 16 /ACO	
		2	1503	851	538	323	230	30.0	5.5						
		3	1989	1126	712	428	305	41.1	7.2						
HHH 080	11	1	1648	933	589	355	276	26.0	6.3	699	709	723	738	BIWW.HHH 080 11 /ACO	
		2	1770	1002	633	381	296	30.0	6.8						
		3	2136	1210	764	460	358	41.8	9.1						
	16	1	2040	1156	730	439	312	26.0	6.0	785	800	815	827	BIWW.HHH 080 16 /ACO	
		2	2188	1239	783	471	335	30.0	6.7						
		3	2936	1663	1050	632	450	42.4	9.0						
HHH 100	11	1	2136	1210	764	460	358	26.0	7.8	836	854	867	886	BIWW.HHH 100 11 /ACO	
		2	2301	1303	823	495	385	30.0	8.7						
		3	2825	1600	1011	608	473	43.0	12.2						
	16	1	2630	1490	941	566	403	26.0	7.0	966	981	999	1015	BIWW.HHH 100 16 /ACO	
		2	2817	1595	1008	606	431	30.0	7.7						
		3	3883	2199	1389	836	595	44.1	10.7						
HHH 120	11	1	2612	1479	935	562	437	26.0	8.9	915	934	951	970	BIWW.HHH 120 11 /ACO	
		2	2822	1598	1010	607	473	30.0	9.9						
		3	3514	1990	1257	756	589	44.0	14.8						
	16	1	3242	1836	1160	698	496	26.0	8.7	1057	1078	1098	1115	BIWW.HHH 120 16 /ACO	
		2	3472	1966	1242	747	532	30.0	9.8						
		3	4830	2735	1728	1039	740	44.8	14.3						
HHH 140	11	1	3077	1743	1101	662	515	26.0	10.1	1000	1023	1045	1070	BIWW.HHH 140 11 /ACO	
		2	3333	1887	1192	717	558	30.0	11.2						
		3	4203	2380	1504	904	704	44.8	17.5						
	16	1	3844	2177	1376	827	589	26.0	9.6	1161	1189	1212	1233	BIWW.HHH 140 16 /ACO	
		2	4117	2332	1473	886	630	30.0	10.5						
		3	5777	3272	2067	1243	885	45.4	14.4						
HHH 160	11	1	3533	2001	1264	760	592	26.0	11.0	1223	1246	1269	1297	BIWW.HHH 160 11 /ACO	
		2	3835	2172	1372	825	642	30.0	12.4						
		3	4892	2771	1750	1053	819	45.5	19.2						
	16	1	4418	2502	1581	951	676	26.0	11.5	1438	1466	1493	1516	BIWW.HHH 160 16 /ACO	
		2	4717	2671	1688	1015	722	30.0	12.8						
		3	6724	3808	2406	1447	1030	46.4	19.6						
HHH 200	11	1	4423	2505	1582	952	741	26.0	13.4	1403	1431	1463	1496	BIWW.HHH 200 11 /ACO	
		2	4821	2730	1725	1037	807	30.0	14.8						
		3	6270	3551	2243	1349	1050	46.5	24.0						
	16	1	5667	3210	2028	1220	868	26.0	13.2	1701	1736	1767	1799	BIWW.HHH 200 16 /ACO	
		2	5971	3382	2137	1285	914	30.0	14.7						
		3	8618	4881	3083	1855	1320	47.1	23.5						
HHH 240	11	1	5238	2967	1874	1127	877	26.0	14.8	1723	1759	1795	1837	BIWW.HHH 240 11 /ACO	
		2	5738	3250	2053	1235	961	30.0	16.6						
		3	7648	4331	2736	1646	1281	47.2	28.0						
	16	1	6916	3917	2475	1488	1059	26.0	16.4	2114	2156	2194	2228	BIWW.HHH 240 16 /ACO	
		2	7168	4060	2565	1543	1098	30.0	17.7						
		3	10512	5953	3761	2262	1610	48.1	29.7						
HHH 280	11	1	5977	3385	2138	1286	956	26.0	16.2	1879	1920	1962	2009	BIWW.HHH 280 11 /ACO	
		2	6599	3737	2361	1420	1056	30.0	18.6						
		3	8790	4978	3145	1892	1406	47.8	31.4						
	16	1	8166	4625	2922	1757	1250	26.0	19.3	2339	2387	2430	2470	BIWW.HHH 280 16 /ACO	
		2	8348	4728	2987	1797	1278	30.0	20.4						
		3	12406	7026	4439	2670	1900	48.9	34.5						

## OUTPUT EXPLANATION

**HEATING CAPACITY**  
Due to the perfect combination of the DBH system and the extremely powerful Low-H<sub>2</sub>O coil, the heater's height no longer influences the heat capacity. Thanks to the DBH system, maximum output is available for even the smallest heaters!

**COOLING CAPACITY**  
The cooling capacity remains constant for all types with a maximum height of 50 cm. If the height exceeds 50 cm, the cooling capacity for types 11, 16 and 21 is reduced by approximately 5% for each additional 10 cm of height.

Cooling capacity correction factors for types 11, 16 and 21	
Height	Correction factor
30-50	1.00
60	0.90

Output measured in accordance with EN 16430

Fill out the code for height  
030 - 040 - 050 - 060

**i** Tip: For all other dimensions, see [www.jaga.com](http://www.jaga.com)

# jaga

CLIMATE DESIGNERS

## MINI FREESTANDING HYBRID

Unobtrusive Hercules.

- For spaces with large windows, glazed façades, for window displays, conservatories, under window seats and for dwarf walls.
- Equipped as standard with pipe work guard.
- No wasteful heat loss from radiation through glazing.
- Stable one-piece casing.
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- Safe surface temperature.
- **A 30 year guarantee** on the heat exchanger.





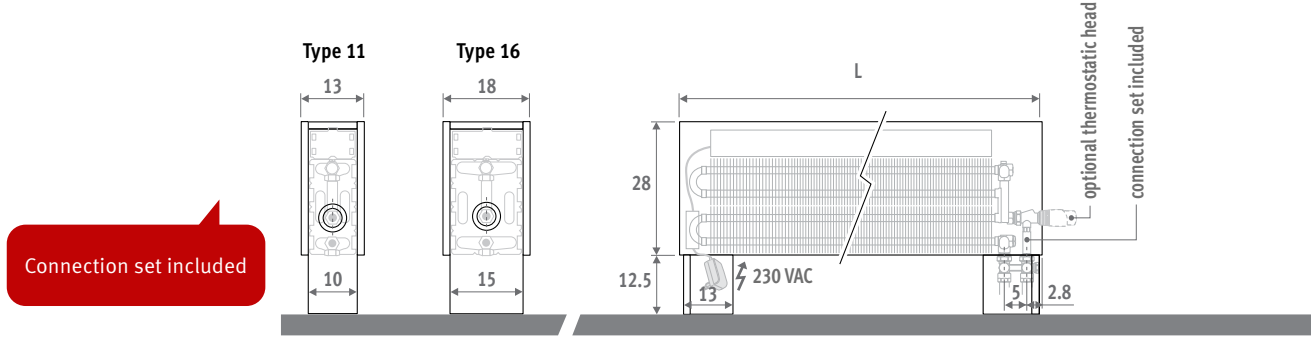


# MINI FREESTANDING HYBRID



# MINI FREESTANDING HYBRID

## DIMENSIONS (in cm)



Connection set included

## DELIVERY

- Easy to install.  
Standard delivery:
- pre-assembled radiator on integrated feet, consisting of a one piece casing, feet with pipe guard, DBH set incl. operation, control and power supply 24 VDC
  - detachable grille
  - Jaga thermostatic H-valve and sleeve couplings. Connections 3/4" Eurocone in the foot, left or right.
  - straight air vent 1/8"
  - collar in stainless steel effect for the connection side

## COLOURS

- Environmentally friendly, scratch-resistant, high UV resistant powder coating.
- Standard colours:
- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
  - sandblast grey (001), fine texture metallic lacquer
  - off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%
- Other colours: see colour chart.

## OPTIONS

### Thermostatic heads



Surcharge Thermostatic head	€
.../AC Heating	54
.../AS Heating	44
.../AW Heating	36
.../JW Heating	44
.../HC Heating and cooling	91
.../MA Heating and cooling	5,60

DIMENSIONS	POSITION	HEATING Room temperature 20°C				COOLING Room temperature 27°C	SOUND PRESSURE dB(A)	ELECTRIC POWER CONSUMPTION W	PRICE Standard colours €	PRICE Other colours €	ORDER CODE	
		L cm	B cm	75/65 Watt	55/45 Watt	45/35 Watt						35/30 Watt
081	11	1	1648	933	589	355	276	26.0	6.3	1304	1417	MIFH.02808111.XXX/X/00/...
		2	1770	1002	633	381	296	30.0	6.8			
		3	2136	1210	764	460	358	41.8	9.1			
	16	1	2040	1156	730	439	312	26.0	6.0	1406	1519	MIFH.02808116.XXX/X/00/...
		2	2188	1239	783	471	335	30.0	6.7			
		3	2936	1663	1050	632	450	42.4	9.0			
101	11	1	2136	1210	764	460	358	26.0	7.8	1411	1590	MIFH.02810111.XXX/X/00/...
		2	2301	1303	823	495	385	30.0	8.7			
		3	2825	1600	1011	608	473	43.0	12.2			
	16	1	2630	1490	941	566	403	26.0	7.0	1584	1764	MIFH.02810116.XXX/X/00/...
		2	2817	1595	1008	606	431	30.0	7.7			
		3	3883	2199	1389	836	595	44.1	10.7			
121	11	1	2612	1479	935	562	437	26.0	8.9	1576	1755	MIFH.02812111.XXX/X/00/...
		2	2822	1598	1010	607	473	30.0	9.9			
		3	3514	1990	1257	756	589	44.0	14.8			
	16	1	3242	1836	1160	698	496	26.0	8.7	1719	1899	MIFH.02812116.XXX/X/00/...
		2	3472	1966	1242	747	532	30.0	9.8			
		3	4830	2735	1728	1039	740	44.8	14.3			
141	11	1	3077	1743	1101	662	515	26.0	10.1	1753	1933	MIFH.02814111.XXX/X/00/...
		2	3333	1887	1192	717	558	30.0	11.2			
		3	4203	2380	1504	904	704	44.8	17.5			
	16	1	3844	2177	1376	827	589	26.0	9.6	1893	2073	MIFH.02814116.XXX/X/00/...
		2	4117	2332	1473	886	630	30.0	10.5			
		3	5777	3272	2067	1243	885	45.4	14.4			
181	11	1	4031	2283	1442	867	675	26.0	12.2	2008	2187	MIFH.02818111.XXX/X/00/...
		2	4376	2478	1566	942	733	30.0	13.7			
		3	5581	3161	1997	1201	935	46.0	22			
	16	1	4843	2743	1733	1042	686	26.0	11.5	2129	2308	MIFH.02818116.XXX/X/00/...
		2	5171	2929	1850	1113	733	30.0	12.8			
		3	7371	4175	2637	1586	1045	46.4	19.6			
241	11	1	5238	2967	1874	1127	877	26.0	14.8	2518	2831	MIFH.02824111.XXX/X/00/...
		2	5738	3250	2053	1235	961	30.0	16.6			
		3	7648	4331	2736	1646	1281	47.2	28.0			
	16	1	6916	3917	2475	1488	1059	26.0	16.4	2750	3064	MIFH.02824116.XXX/X/00/...
		2	7168	4060	2565	1543	1098	30.0	17.7			
		3	10512	5953	3761	2262	1610	48.1	29.7			

fill in colour code  
C (Crossflow H-block) or S (H-block)  
enter code thermostatic head  
fill in sleeve coupling code  
Precision metal tube 15/1 **115**  
Precision metal tube 16/1 **116**  
RPE/ALU tube 16/2 **616**  
RPE/ALU tube 20/2 **620**  
(other sleeve couplings:  
see "Connection sets and Valves Low-H<sub>2</sub>O")



# jaga

CLIMATE DESIGNERS

## DBH UPGRADE SET

The easiest way to an environmentally friendly HVAC installation

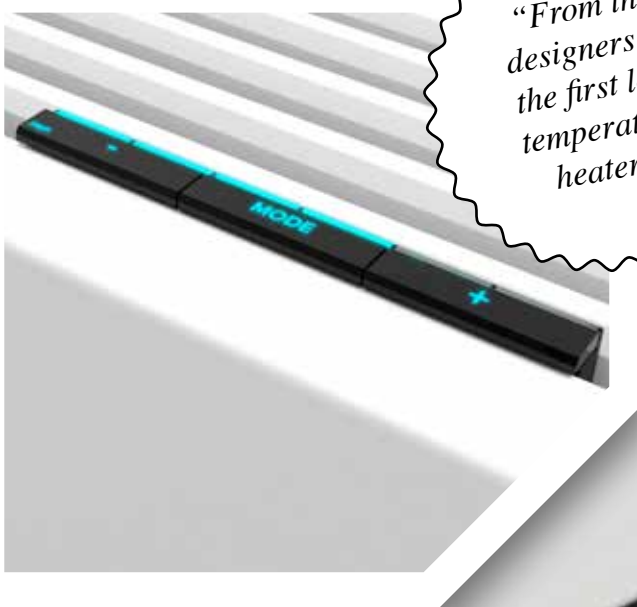
- **switch to low temperature heating with heat pump or low temperature boiler**
- **suitable for environmentally friendly light cooling (non-condensing)**
- **with breeze feature**
- **easy installation on all Jaga Low-H<sub>2</sub>O heating units**

The DBH Upgrade set is a booster that was specially developed for Jaga Low-H<sub>2</sub>O heating units in order to increase the power and to enable low energy consumption cooling. This set makes it possible to greatly reduce the water temperature of your C.V. installation without having to install larger heating units or having to modify the pipes. Upgrading your existing Jaga heating units with the DBH set is the easiest option towards a low temperature installation or an emission-free heat pump installation for both heating and light cooling.

Also suitable for Jaga light cooling

“From the designers of the first low temperature heater.”

CLIMATE DESIGN





ERS

**DBH**  

DBH UPGRADE SET

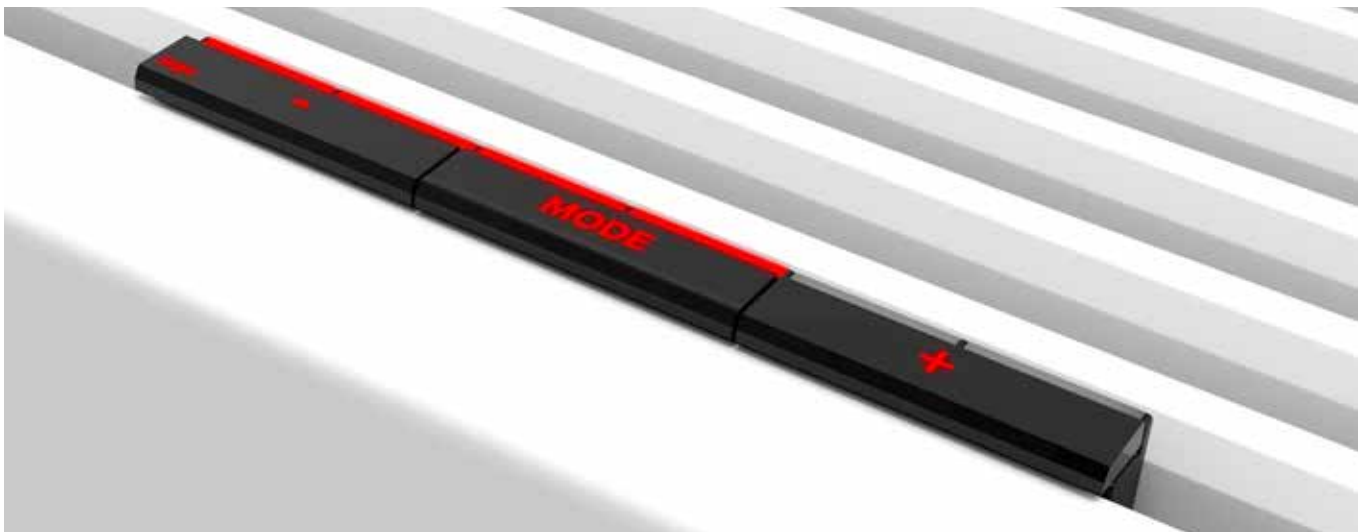


# TURN YOUR STANDARD JAGA HEATING UNIT INTO AN ENVIRONMENTALLY FRIENDLY POWERHOUSE

- **Efficient and effortless heating with the lowest water temperature**
- **Energy-efficient non-condensing cooling in combination with any heat pump that can supply cooling water**
- **Improves the seasonal efficiency of each heat pump**
- **Makes sure that the condensing boilers are operating at their lowest temperature and as efficiently as possible.**



## MULTIFUNCTIONAL INTELLIGENCE



### DBH SWITCHES FULLY AUTOMATICALLY BETWEEN HEATING AND LIGHT COOLING

#### Auto-change-over mode (standard)

You do not have to do anything at all to switch between heating and cooling down. Due to its accurate room – and water temperature sensors, the hybrid is fully automated. To achieve the requested temperature you can set 3 different fan speeds, depending on the room where the heating unit is located: bedroom


mode max. 26 dB(A), comfort mode max. 30 dB(A) or maximum mode for rapid heating and cooling.

#### With breeze feature


The Hybrid heater's DBH system can also be activated if there is no cooling water, so without a heat pump. The vicinity of the heater can already feel less warm with just the air movement of the fans.

# A RENOVATION EXAMPLE BEFORE / AFTER

## BEFORE




Heating only 

Strada H50 L100 Type 11




## AFTER

Heating + Breeze + Cooling

Light cooling® for all heat pumps with cooling function

Strada H50 L100 Type 11 + DBH set type 10



Click on DBH-units

### OUTPUTS WITHOUT DBH

TEMP. PROFILE	
<b>75/65</b>	<b>1386 WATTS</b>
<b>55/45</b>	<b>665 WATTS</b>
<b>45/35</b>	<b>388 WATTS</b>

### OUTPUT WITH DBH

TEMP. PROFILE	POSITION 2 POSITION 3	
	<b>55/45</b>	<b>1303 WATTS</b>
<b>45/35</b>	<b>823 WATTS</b>	<b>1011 WATTS</b>
<b>35/30</b>	<b>495 WATTS</b>	<b>608 WATTS</b>

### COOLING WITH DBH

**473 WATTS**  
at temp. profile  
16/18/27°

Also suitable for Jaga light cooling

# DBH UPGRADE CONFIGURATOR

## FOR WHICH RADIATORS?



Almost all Jaga Low-H<sub>2</sub>O heating units can be equipped with the DBH Upgrade set:  
 Strada, Linea Plus, Tempo, Installation in a wall recess  
 For more info on the DBH Upgrade Set, see [www.jaga.com/Products/Horizontal/dbh-upgrade](http://www.jaga.com/Products/Horizontal/dbh-upgrade)

## HOW DO I CHOOSE THE RIGHT SET?

Measure the width and length of your Low-H<sub>2</sub>O heating unit.  
 Thickness 11,5 cm = DBH unit 10  
 Thickness 16,5 cm en 21,5 cm = DBH unit 15  
 The length of the cover determines how long the DBH-set should be.

### DBH UNIT 10

- Suitable for type 10 and 11:
- Strada
  - Linea Plus
  - Tempo
  - Installation in a wall recess



### DBH UNIT 15

- Suitable for type 15,16, 20 and 21:
- Strada
  - Linea Plus
  - Tempo
  - Installation in a wall recess



TYPE 10

TYPE 11



TYPE 15

TYPE 16

TYPE 20

TYPE 21

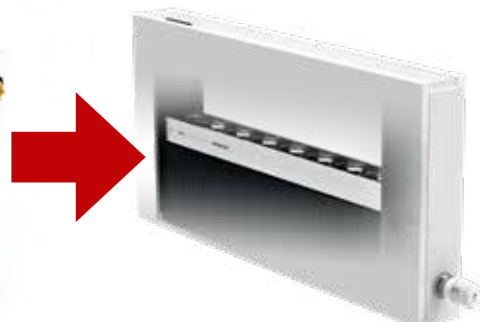
## REPLACEMENT OF OTHER HEATING UNITS

Regular panel heaters are not suitable for a DBH- upgrade. You can, however, replace it with a Jaga heating unit that has same dimensions as the old heating unit. This way you can switch to a heating unit that is powerful enough to run at lower water temperatures without losing space to an extra or a larger heating unit.  
 For all info on Strada Hybrid (incl. DBH system) see [www.jaga.com/en/Products/Horizontal/Strada/hybrid-ACO](http://www.jaga.com/en/Products/Horizontal/Strada/hybrid-ACO)

75/65



55/45





# EASY INSTALLATION

## OPERATION OF THE DBH SYSTEM

### Standard Auto-change-over mode

The desired room temperature is set via a room thermostat or the heating unit's thermostat head. The DBH set has accurate sensors for both the room and water temperature. DBH automatically switches between standby / heating / cooling based on the measured values.

- suitable for heating or heating and cooling with the thermostat head HC or the manual button MA.
- noise level monitoring, officially measured according to ISO 3741: 2010
- With breeze feature for a fan effect, does not depend on the water temperature.
- Colored LEDs indicate the feature and the fan speed.

⚠ Het DBH-systeem zal niet de warmtepomp of de boiler regelen en kan daarom niet vervangen worden voor een kamerthermostaat.

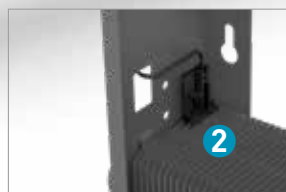


## NEGLIGIBLE ELECTRICITY CONSUMPTION

The DBE system is no fan convector, and certainly not an electric radiator! In operation, the electricity consumption is no more than 7 watts/metre. The annual consumption is negligible and is more than compensated by the energy efficiency of the Low-H<sub>2</sub>O technology in the radiator.



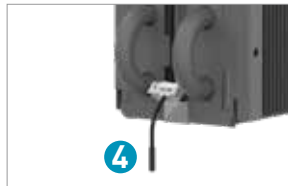
Stick the controller against the console.



Click the water temperature sensor on the coil.



Connect the DBH unit to the controller and click it on the coil



Fix the room temperature sensor.



Put the cover back on the heating unit, but without the grille. Place the controls on the front panel.



Put the plug in the wall socket and put the grille back on the heating unit

## NOISE AND POWER ACCORDING TO THE LATEST EUROPEAN STANDARDS

The heat output of Jaga radiators with DBH was measured according to the latest European standards regarding heating units with integrated fans. Jaga is one of the first to comply with the new reference standard **EN 16430**. The sound power (L<sub>w</sub>) of the DBH is measured in accordance with **ISO 3741:2010**. As is customary for the sound pressure (L<sub>p</sub>), room attenuation of 8 dB(A) is assumed for room content of 100 m<sup>3</sup> and a reverberation time of 0.5 sec.

## HOW TO SELECT DBH?

DBH is selected in **comfort mode, position 2** in bold in the output tables. This guarantees a quiet operation at a maximum of 30 dB(A). Position 1 is an extremely quiet bedroom setting with a maximum of 26 dB(A). Position 3 provides a maximum boost and the very high output serves primarily to heat up and cool down a room as quickly as possible. In this mode the noise is between 42 and 46 dB(A).

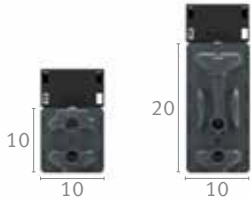
### How loud is a decibel?

dB(A)	Perception	Examples
10	hardly to hear	breathing, a falling leaf
20	just audible	radio studio, rustling of tree leaves
30	very quiet	library (30 to 40), whispering
40	quiet	living room, quiet classroom, soft buzz, fridge
50	limited sound	air conditioning, normal conversation, dishwasher

# DBH SET 10 + LOW-H<sub>2</sub>O TYPE 10 / TYPE 11

TYPE 10

TYPE 11



## STANDARD DELIVERY

- DBH unit(s)
- control board with microcontroller and remote control
- AC adapter 230V/ 24VDC

## OUTPUT EXPLANATION

### HEATING CAPACITY

Due to the perfect combination of the DBH system and the extremely powerful Low-H<sub>2</sub>O coil, the heater's height no longer influences the heat capacity. Thanks to the DBH system, maximum output is available for even the smallest heaters!

### COOLING CAPACITY

The cooling capacity remains constant for all types with a maximum height of 50 cm. If the height exceeds 50 cm, the cooling capacity for types 11, 16 and 21 is reduced by approximately 5% for each additional 10 cm of height.

#### Cooling capacity correction factors for types 11, 16 and 21

Height	Correction factor
20-30-40-50	1.00
60	0.95
65	0.92
70	0.90
80	0.85
90	0.80
95	0.77
100	0.75

## DBH SET 10

## WATTS WITH TYPE 10

## WATTS WITH TYPE 11

DBHS.	LENGTH RADIATOR DBH UNIT		POSITION	SOUND PRESSURE dB(A)	ELECTRICITY CONSUMPTION W	€	HEATING Room temperature 20°C			COOLING Room temperature 27°C		HEATING Room temperature 20°C			COOLING Room temperature 27°C	
	LLL	BB /ACO					55/45	45/35	35/30	16/18	20/22	55/45	45/35	35/30	16/18	20/22
DBHS. 050	10	/ACO	1	26.0	3.6	304	371	237	144	90	54	499	315	190	148	91
			2	30.0	4.1	398	253	154	96	58	534	337	203	158	97	
			3	38.8	5.1	465	296	180	113	68	624	394	237	185	113	
DBHS. 060	10	/ACO	1	26.0	4.8	333	482	307	186	117	70	647	409	246	191	117
			2	30.0	5.4	516	329	199	125	75	693	438	263	205	125	
			3	40.0	6.8	610	389	236	148	89	819	518	311	242	148	
DBHS. 070	10	/ACO	1	26.0	5.5	341	589	375	228	143	86	791	500	301	234	143
			2	30.0	5.9	632	403	244	153	92	849	536	322	251	154	
			3	41.0	7.9	756	481	292	183	110	1015	641	386	300	184	
DBHS. 080	10	/ACO	1	26.0	6.3	355	695	443	269	168	101	933	589	355	276	169
			2	30.0	6.8	746	475	289	181	109	1002	633	381	296	181	
			3	41.8	9.1	901	574	348	218	132	1210	764	460	358	219	
DBHS. 090	10	/ACO	1	26.0	6.7	426	799	509	309	193	117	1072	678	408	317	194
			2	30.0	7.4	859	547	332	208	125	1154	729	438	341	209	
			3	42.4	10.3	1046	666	405	253	153	1405	887	534	415	254	
DBHS. 100	10	/ACO	1	26.0	7.8	438	901	574	348	218	132	1210	764	460	358	219
			2	30.0	8.7	971	618	375	235	142	1303	823	495	385	236	
			3	43.0	12.2	1191	759	461	289	174	1600	1011	608	473	290	
DBHS. 110	10	/ACO	1	26.0	8.4	465	1011	644	391	245	148	1357	858	516	401	246
			2	30.0	9.3	1089	694	421	264	159	1462	924	556	432	265	
			3	43.5	14.0	1337	852	517	324	195	1795	1134	682	531	325	
DBHS. 120	10	/ACO	1	26.0	8.9	473	1102	702	426	267	161	1479	935	562	437	268
			2	30.0	9.9	1190	758	460	288	174	1598	1010	607	473	289	
			3	44.0	14.8	1482	944	573	359	216	1990	1257	756	589	360	
DBHS. 140	10	/ACO	1	26.0	10.1	505	1298	827	502	314	189	1743	1101	662	515	315
			2	30.0	11.2	1406	895	544	341	205	1887	1192	717	558	342	
			3	44.8	17.5	1773	1129	685	429	259	2380	1504	904	704	431	
DBHS. 160	10	/ACO	1	26.0	11.0	643	1490	949	576	361	218	2001	1264	760	592	362
			2	30.0	12.4	1618	1030	626	392	236	2172	1372	825	642	393	
			3	45.5	19.2	2063	1314	798	500	301	2771	1750	1053	819	501	
DBHS. 180	10	/ACO	1	26.0	12.2	674	1700	1083	657	412	248	2283	1442	867	675	413
			2	30.0	13.7	1845	1176	714	447	269	2478	1566	942	733	449	
			3	46.0	22.0	2354	1499	910	570	344	3161	1997	1201	935	572	
DBHS. 200	10	/ACO	1	26.0	13.4	726	1865	1188	721	452	272	2505	1582	952	741	453
			2	30.0	14.8	2033	1295	786	493	297	2730	1725	1037	807	494	
			3	46.5	24.0	2644	1685	1023	641	386	3551	2243	1349	1050	643	
DBHS. 220	10	/ACO	1	26.0	13.4	775	2038	1298	788	494	297	2736	1729	1040	809	495
			2	30.0	14.8	2226	1418	861	539	325	2990	1889	1136	884	541	
			3	46.9	24.0	2935	1870	1135	711	428	3941	2490	1498	1166	713	
DBHS. 240	10	/ACO	1	26.0	14.8	892	2209	1407	854	535	323	2967	1874	1127	877	537
			2	30.0	16.6	2420	1542	936	586	353	3250	2053	1235	961	588	
			3	47.2	28.0	3225	2055	1247	781	471	4331	2736	1646	1281	784	
DBHS. 260	10	/ACO	1	26.0	16.2	944	2391	1523	925	579	349	3211	2028	1220	950	581
			2	30.0	18.6	2637	1680	1020	639	385	3541	2237	1346	1047	641	
			3	47.8	31.4	3516	2240	1360	852	513	4722	2983	1794	1396	855	
DBHS. 280	10	/ACO	1	26.0	16.2	944	2479	1579	959	588	354	3385	2138	1286	956	585
			2	30.0	18.6	2737	1743	1058	649	391	3737	2361	1420	1056	646	
			3	47.8	31.4	3645	2322	1410	864	521	4978	3145	1892	1406	861	

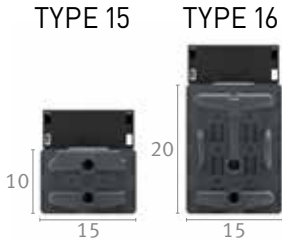
Output measured in accordance with EN 16430

## SUITABLE FOR TYPE 10 & TYPE 11:



For more info on the DBH Upgrade Set, see [www.jaga.com/Products/Horizontal/dbh-upgrade](http://www.jaga.com/Products/Horizontal/dbh-upgrade)

# DBH SET 15 + LOW-H<sub>2</sub>O TYPE 15 / TYPE 16



## STANDARD DELIVERY

- DBH unit(s)
- control board with micro-controller and remote control
- AC adapter 230 V/ 24VDC

## OUTPUT EXPLANATION

**HEATING CAPACITY**  
Due to the perfect combination of the DBH system and the extremely powerful Low-H<sub>2</sub>O coil, the heater's height no longer influences the heat capacity. Thanks to the DBH system, maximum output is available for even the smallest heaters!

**COOLING CAPACITY**  
The cooling capacity remains constant for all types with a maximum height of 50 cm. If the height exceeds 50 cm, the cooling capacity for types 11, 16 and 21 is reduced by approximately 5% for each additional 10 cm of height.

Cooling capacity correction factors for types 11, 16 and 21	
Height	Correction factor
20-30-40-50	1.00
60	0.95
65	0.92
70	0.90
80	0.85
90	0.80
95	0.77
100	0.75

## DBH SET 15

DBH SET 15					WATTS WITH TYPE 15			WATTS WITH TYPE 16					
LENGTH RADIATOR DBH UNIT		POSITION	SOUND PRESSURE dB(A)	ELECTRICITY CONSUMPTION W	€	HEATING room temperature 20°C			COOLING room temperature 27°C				
DBHS. LLL	BB /ACO					55/45	45/35	35/30	16/18	20/22	55/45	45/35	35/30
						Watts	Watts	Watts	Watts	Watts	Watts	Watts	
DBHS. 050	15 /ACO	1	---	---		---	---	---	---	---	---	---	
		2	---	---		---	---	---	---	---	---	---	
		3	---	---		---	---	---	---	---	---	---	
DBHS. 060	15 /ACO	1	26.0	4.8	338	548	349	212	131	78	793	501	301
		2	<b>30.0</b>	<b>5.5</b>		<b>588</b>	<b>375</b>	<b>227</b>	<b>140</b>	<b>83</b>	<b>851</b>	<b>538</b>	<b>323</b>
		3	41.1	7.2		778	496	301	186	110	1126	712	428
DBHS. 070	15 /ACO	1	26.0	5.1	347	613	390	237	135	80	922	582	350
		2	<b>30.0</b>	<b>5.6</b>		<b>658</b>	<b>419</b>	<b>254</b>	<b>145</b>	<b>86</b>	<b>990</b>	<b>625</b>	<b>376</b>
		3	41.1	7.2		871	555	337	192	114	1310	827	498
DBHS. 080	15 /ACO	1	26.0	6.0	360	798	509	309	190	113	1156	730	439
		2	<b>30.0</b>	<b>6.7</b>		<b>856</b>	<b>545</b>	<b>331</b>	<b>204</b>	<b>121</b>	<b>1239</b>	<b>783</b>	<b>471</b>
		3	42.4	9.0		1149	732	444	274	163	1663	1050	632
DBHS. 090	15 /ACO	1	26.0	7.0	439	914	583	354	218	129	1323	836	503
		2	<b>30.0</b>	<b>7.7</b>		<b>980</b>	<b>624</b>	<b>379</b>	<b>234</b>	<b>139</b>	<b>1418</b>	<b>896</b>	<b>539</b>
		3	43.3	10.7		1334	850	516	318	189	1931	1220	734
DBHS. 100	15 /ACO	1	26.0	7.0	460	1029	656	398	246	146	1490	941	566
		2	<b>30.0</b>	<b>7.7</b>		<b>1102</b>	<b>702</b>	<b>426</b>	<b>263</b>	<b>156</b>	<b>1595</b>	<b>1008</b>	<b>606</b>
		3	44.1	10.7		1519	968	588	362	215	2199	1389	836
DBHS. 110	15 /ACO	1	26.0	7.9	485	1092	696	422	250	148	1614	1020	613
		2	<b>30.0</b>	<b>8.8</b>		<b>1169</b>	<b>745</b>	<b>452</b>	<b>267</b>	<b>159</b>	<b>1728</b>	<b>1092</b>	<b>657</b>
		3	44.1	12.5		1612	1027	623	369	219	2382	1505	905
DBHS. 120	15 /ACO	1	26.0	8.7	493	1269	808	491	303	180	1836	1160	698
		2	<b>30.0</b>	<b>9.8</b>		<b>1358</b>	<b>865</b>	<b>525</b>	<b>324</b>	<b>192</b>	<b>1966</b>	<b>1242</b>	<b>747</b>
		3	44.8	14.3		1890	1204	731	451	267	2735	1728	1039
DBHS. 140	15 /ACO	1	26.0	9.6	524	1504	958	582	359	213	2177	1376	827
		2	<b>30.0</b>	<b>10.5</b>		<b>1611</b>	<b>1026</b>	<b>623</b>	<b>384</b>	<b>228</b>	<b>2332</b>	<b>1473</b>	<b>886</b>
		3	45.4	14.4		2261	1440	874	539	320	3272	2067	1243
DBHS. 160	15 /ACO	1	26.0	11.5	683	1729	1101	669	412	245	2502	1581	951
		2	<b>30.0</b>	<b>12.8</b>		<b>1846</b>	<b>1176</b>	<b>714</b>	<b>440</b>	<b>261</b>	<b>2671</b>	<b>1688</b>	<b>1015</b>
		3	46.4	19.6		2631	1676	1018	628	372	3808	2406	1447
DBHS. 180	15 /ACO	1	26.0	11.5	723	1850	1179	716	421	250	2743	1733	1042
		2	<b>30.0</b>	<b>12.8</b>		<b>1975</b>	<b>1258</b>	<b>764</b>	<b>449</b>	<b>266</b>	<b>2929</b>	<b>1850</b>	<b>1113</b>
		3	46.4	19.6		2816	1794	1089	640	380	4175	2637	1586
DBHS. 200	15 /ACO	1	26.0	13.2	754	2218	1413	858	529	314	3210	2028	1220
		2	<b>30.0</b>	<b>14.7</b>		<b>2337</b>	<b>1489</b>	<b>904</b>	<b>557</b>	<b>331</b>	<b>3382</b>	<b>2137</b>	<b>1285</b>
		3	47.1	23.5		3372	2148	1304	804	477	4881	3083	1855
DBHS. 220	15 /ACO	1	26.0	15.5	817	2462	1568	952	587	348	3563	2251	1354
		2	<b>30.0</b>	<b>16.8</b>		<b>2565</b>	<b>1634</b>	<b>992</b>	<b>612</b>	<b>363</b>	<b>3712</b>	<b>2345</b>	<b>1410</b>
		3	47.8	27.5		3743	2384	1447	893	530	5417	3422	2058
DBHS. 240	15 /ACO	1	26.0	16.4	945	2707	1724	1047	646	383	3917	2475	1488
		2	<b>30.0</b>	<b>17.7</b>		<b>2805</b>	<b>1787</b>	<b>1085</b>	<b>669</b>	<b>397</b>	<b>4060</b>	<b>2565</b>	<b>1543</b>
		3	48.1	29.7		4113	2620	1591	981	582	5953	3761	2262
DBHS. 260	15 /ACO	1	26.0	16.4	972	2828	1802	1094	654	388	4158	2627	1580
		2	<b>30.0</b>	<b>17.7</b>		<b>2931</b>	<b>1867</b>	<b>1134</b>	<b>678</b>	<b>402</b>	<b>4310</b>	<b>2723</b>	<b>1638</b>
		3	48.1	29.7		4298	2738	1662	994	590	6320	3993	2402
DBHS. 280	15 /ACO	1	26.0	19.3	1023	3195	2036	1236	762	452	4625	2922	1757
		2	<b>30.0</b>	<b>20.4</b>		<b>3267</b>	<b>2081</b>	<b>1263</b>	<b>779</b>	<b>462</b>	<b>4728</b>	<b>2987</b>	<b>1797</b>
		3	48.9	34.5		4855	3093	1877	1158	687	7026	4439	2670

Output measured in accordance with EN 16430

## SUITABLE FOR TYPE 15 & TYPE 16:



For more info on the DBH Upgrade Set, see [www.jaga.com/Products/Horizontal/dbh-upgrade](http://www.jaga.com/Products/Horizontal/dbh-upgrade)

# DBH SET 15 + LOW-H<sub>2</sub>O TYPE 20 / TYPE 21

TYPE 20    TYPE 21



DBH SET 15

WATTS WITH TYPE 20

WATTS WITH TYPE 21

DBHS.	LENGTH RADIATOR DBH UNIT		POSITION	SOUND PRESSURE dB(A)	ELECTRICITY CONSUMPTION W	€	HEATING Room temperature 20°C			COOLING Room temperature 27°C		HEATING Room temperature 20°C			COOLING Room temperature 27°C	
	LLL	BB /ACO					55/45	45/35	35/30	16/18	20/22	55/45	45/35	35/30	16/18	20/22
							Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts
DBHS. 050	15	/ACO	1	---	---		---	---	---	---	---	---	---	---	---	---
			2	---	---		---	---	---	---	---	---	---	---	---	---
			3	---	---		---	---	---	---	---	---	---	---	---	---
DBHS. 060	15	/ACO	1	26.0	4.8	338	771	491	298	166	102	1048	676	416	234	151
			2	<b>30.0</b>	<b>5.5</b>		<b>825</b>	<b>526</b>	<b>319</b>	<b>178</b>	<b>109</b>	<b>1125</b>	<b>725</b>	<b>447</b>	<b>251</b>	<b>162</b>
			3	41.1	7.2		976	622	378	211	129	1488	960	591	332	214
DBHS. 070	15	/ACO	1	26.0	5.1	347	864	550	334	171	<b>105</b>	1149	741	456	240	155
			2	<b>30.0</b>	<b>5.6</b>		<b>926</b>	<b>590</b>	<b>358</b>	<b>183</b>	<b>112</b>	<b>1234</b>	<b>796</b>	<b>490</b>	<b>258</b>	<b>166</b>
			3	41.1	7.2		1108	706	428	219	134	1633	1054	648	341	220
DBHS. 080	15	/ACO	1	26.0	6.0	360	1112	708	430	240	147	1527	985	606	341	220
			2	<b>30.0</b>	<b>6.7</b>		<b>1194</b>	<b>761</b>	<b>462</b>	<b>258</b>	<b>158</b>	<b>1638</b>	<b>1056</b>	<b>650</b>	<b>366</b>	<b>236</b>
			3	42.4	9.0		1441	918	557	311	190	2197	1417	872	490	316
DBHS. 090	15	/ACO	1	26.0	7.0	439	1278	814	494	276	169	1749	1128	694	390	252
			2	<b>30.0</b>	<b>7.7</b>		<b>1374</b>	<b>876</b>	<b>532</b>	<b>297</b>	<b>182</b>	<b>1874</b>	<b>1209</b>	<b>744</b>	<b>418</b>	<b>270</b>
			3	43.3	10.7		1674	1066	647	361	221	2552	1646	1013	570	367
DBHS. 100	15	/ACO	1	26.0	7.0	460	1441	918	557	311	191	1969	1270	782	439	283
			2	<b>30.0</b>	<b>7.7</b>		<b>1553</b>	<b>989</b>	<b>601</b>	<b>335</b>	<b>205</b>	<b>2108</b>	<b>1360</b>	<b>837</b>	<b>471</b>	<b>303</b>
			3	44.1	10.7		1906	1214	737	412	252	2906	1875	1154	649	418
DBHS. 110	15	/ACO	1	26.0	7.9	485	1541	982	596	317	194	2067	1333	821	446	287
			2	<b>30.0</b>	<b>8.8</b>		<b>1660</b>	<b>1058</b>	<b>642</b>	<b>342</b>	<b>209</b>	<b>2213</b>	<b>1428</b>	<b>879</b>	<b>477</b>	<b>308</b>
			3	44.1	12.5		2038	1298	788	419	256	3051	1968	1211	658	424
DBHS. 120	15	/ACO	1	26.0	8.7	493	1762	1123	682	381	233	2426	1565	963	542	349
			2	<b>30.0</b>	<b>9.8</b>		<b>1904</b>	<b>1213</b>	<b>736</b>	<b>411</b>	<b>252</b>	<b>2598</b>	<b>1676</b>	<b>1032</b>	<b>580</b>	<b>374</b>
			3	44.8	14.3		2371	1510	917	512	313	3615	2332	1435	807	520
DBHS. 140	15	/ACO	1	26.0	9.6	524	2076	1323	803	448	274	2877	1856	1143	642	414
			2	<b>30.0</b>	<b>10.5</b>		<b>2249</b>	<b>1432</b>	<b>870</b>	<b>486</b>	<b>297</b>	<b>3082</b>	<b>1988</b>	<b>1224</b>	<b>688</b>	<b>443</b>
			3	45.4	14.4		2836	1807	1097	612	375	4324	2789	1717	965	622
DBHS. 160	15	/ACO	1	26.0	11.5	683	2384	1519	922	515	315	3307	2133	1313	738	476
			2	<b>30.0</b>	<b>12.8</b>		<b>2588</b>	<b>1649</b>	<b>1001</b>	<b>559</b>	<b>342</b>	<b>3530</b>	<b>2277</b>	<b>1402</b>	<b>788</b>	<b>508</b>
			3	46.4	19.6		3301	2103	1276	713	436	5033	3246	1998	1123	724
DBHS. 180	15	/ACO	1	26.0	11.5	723	2574	1640	995	526	322	3497	2256	1388	750	483
			2	<b>30.0</b>	<b>12.8</b>		<b>2794</b>	<b>1780</b>	<b>1081</b>	<b>571</b>	<b>349</b>	<b>3733</b>	<b>2408</b>	<b>1482</b>	<b>801</b>	<b>516</b>
			3	46.4	19.6		3564	2270	1378	728	446	5322	3433	2113	1142	736
DBHS. 200	15	/ACO	1	26.0	13.2	754	2984	1901	1154	644	394	4242	2736	1684	947	610
			2	<b>30.0</b>	<b>14.7</b>		<b>3253</b>	<b>2072</b>	<b>1258</b>	<b>702</b>	<b>430</b>	<b>4469</b>	<b>2883</b>	<b>1775</b>	<b>998</b>	<b>643</b>
			3	47.1	23.5		4230	2695	1636	914	559	6450	4161	2561	1440	928
DBHS. 220	15	/ACO	1	26.0	15.5	817	3260	2077	1261	704	431	4709	3038	1870	1051	677
			2	<b>30.0</b>	<b>16.8</b>		<b>3562</b>	<b>2269</b>	<b>1377</b>	<b>769</b>	<b>471</b>	<b>4905</b>	<b>3164</b>	<b>1948</b>	<b>1095</b>	<b>706</b>
			3	47.8	27.5		4695	2991	1816	1014	621	7159	4618	2843	1598	1030
DBHS. 240	15	/ACO	1	26.0	16.4	945	3534	2251	1367	763	467	5177	3339	2056	1155	745
			2	<b>30.0</b>	<b>17.7</b>		<b>3872</b>	<b>2466</b>	<b>1497</b>	<b>836</b>	<b>512</b>	<b>5365</b>	<b>3461</b>	<b>2130</b>	<b>1197</b>	<b>772</b>
			3	48.1	29.7		5160	3287	1996	1114	682	7868	5075	3124	1756	1132
DBHS. 260	15	/ACO	1	26.0	16.4	972	3688	2349	1426	768	470	5367	3462	2131	1168	752
			2	<b>30.0</b>	<b>17.7</b>		<b>4067</b>	<b>2591</b>	<b>1573</b>	<b>848</b>	<b>519</b>	<b>5562</b>	<b>3588</b>	<b>2209</b>	<b>1210</b>	<b>780</b>
			3	48.1	29.7		5423	3455	2097	1130	692	8157	5262	3239	1774	1144
DBHS. 280	15	/ACO	1	26.0	19.3	1023	4141	2638	1602	894	547	6112	3943	2427	1364	879
			2	<b>30.0</b>	<b>20.4</b>		<b>4572</b>	<b>2913</b>	<b>1768</b>	<b>987</b>	<b>604</b>	<b>6249</b>	<b>4031</b>	<b>2481</b>	<b>1395</b>	<b>899</b>
			3	48.9	34.5		6090	3879	2355	1315	805	9285	5990	3687	2072	1336

Output measured in accordance with EN 16430

## SUITABLE FOR TYPE 20 & TYPE 21:



For more info on the DBH Upgrade Set, see [www.jaga.com/Products/Horizontal/dbh-upgrade](http://www.jaga.com/Products/Horizontal/dbh-upgrade)



# jaga

CLIMATE DESIGNERS

## VERTIGA HYBRID

The only vertical designer heater for extremely low water temperatures

Vertiga is the perfect combination of the 3 most important Jaga characteristics: power, energy-efficiency and design. Jaga Vertiga is a completely new kind of heating unit, equipped with two dynamic coils, and is compatible with all heat sources. Moreover, it's specially designed for heat pumps and low temperature boilers. Both coils, made from copper and aluminum, ensure a lateral air flow and are able to generate high power levels at low water temperatures.

Vertiga is also suitable for non-condensing cooling in combination with any heat pump that has a cooling function. This mild form of cooling is very energy-efficient.

Also suitable for Jaga light cooling





VERTIGA HYBRID



# THE TOP PERFORMER FACTOR

Brand new Dynamic vertical radiator system for high output even at low water temperatures

Easy to install fully pre-assembled cassette

Whisper-quiet boosters

Sound insulation for a whisper-quiet operation

2 Corrosion-free heat exchangers in copper/aluminium

Pre-perforated openings for electrical cabling

12V power supply and automatic control

Whisper-quiet boosters

Pencil-proof air intake at the top and bottom

Traditional MM connection (central bottom end)

Hidden vertical design grilles distribute the warm air all around the room

## UNIQUE DESIGN PERFORMANCE

Perfect warm-up of the room through horizontal heat distribution across the complete height of the radiator

9x faster warm-up

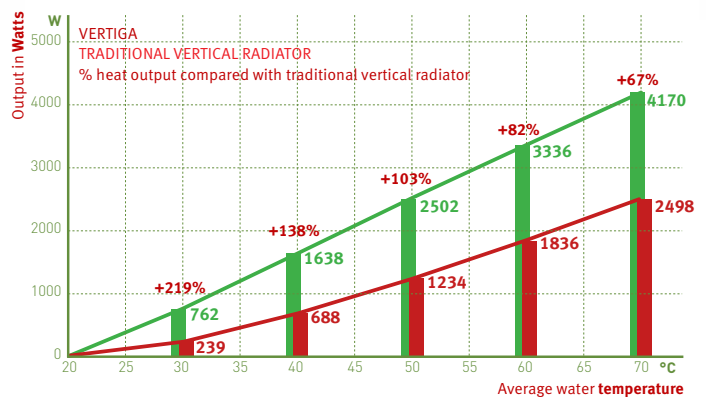
Very high power even at super-low water temperatures

10 to 30% energy savings compared with under floor heating or heavy steel radiators

Fully automatic operation driven by water temperature sensors

## OUTPUT BASED ON WATER TEMPERATURE

Comparing Vertiga and a traditional vertical radiator of the same size  
Sound pressure Vertiga max. 28 db(A)(in medium mode).





# HEATING OR HEATING + LIGHT COOLING: THE IDEAL HEAT PUMP HEATER

## HIGH OUTPUT WITH ALL WATER TEMPERATURES, HOT AND COLD

New, environmentally-friendly installations require much better thermal units. This ensures a comfortable temperature at a low water temperature and a refreshing coolness with non-condensing cooling. Jaga Hybrid heating units are equipped with the brand new DBH system, DB stands for Dynamic Boost, to considerably increase the power of the heater. The H of Hybrid stands for the dual effect: heating and cooling.

- Perfectly controlled heating at the lowest water temperature thanks to the hybrid system's reaction speed.
- By default, suitable for energy-efficient non-condensing cooling in combination with any heat pump.

## MOST RESPONSIVE OUTPUT SYSTEM CRUCIAL FOR HEATING AND COOLING DOWN

### Heating

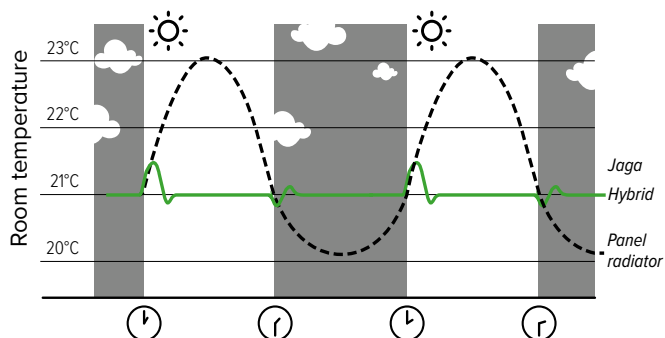
Is the oven or dishwasher on? If the sun shines inside? Your home is a dynamic given with constantly changing temperature conditions and comfort requirements. A quickly reacting heater such as Strada Hybrid anticipates this and accurately controls the temperature in all circumstances..

### Jaga Light cooling

The reaction capacity is also crucial for non-condensing cooling. In order to prevent moisture problems, central condensation monitoring must be provided. This can only work efficiently with a very fast-acting delivery system, which immediately adjusts the cooling system in case of a sudden rise in humidity.

**More than ever, the responsiveness determines your energy consumption and your comfort.**

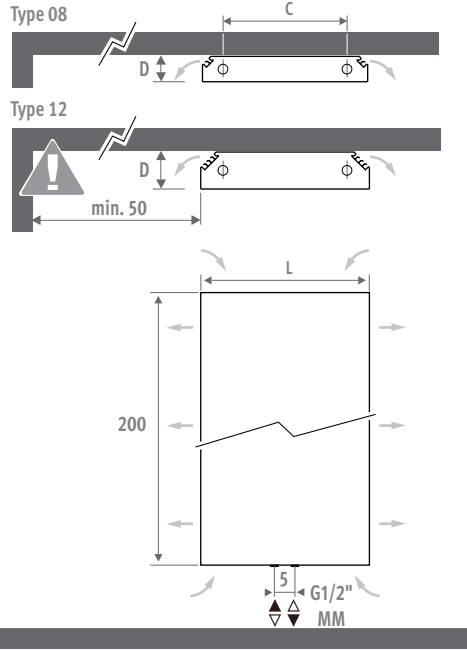
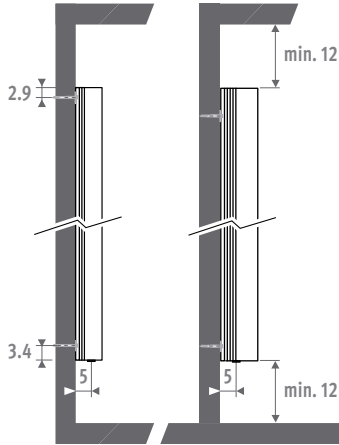
## COMPARISON OF THE REACTION TIME IN CASE OF TEMPERATURE CHANGES



# VERTIGA

## DIMENSIONS (in cm)

Primo	D = 9.2			D = 13.2		
L	41	52	65	53	70	90
C	20.6	31.6	44.6	27.8	44.8	64.8



## ORDERING CODE

code height length type colour  
**VERW 200 041 08 XXX XX**  
 3-speed control (HA)  
 or BMS (HB)

## DELIVERY

- front panel can be clicked in easily
- fully pre-assembled wall cassette with vertical grilles for air outlet at the left and right side
- pencil-proof grille for air inlet at the bottom and top end
- pre-perforated openings for electrical connection
- central connection MM (MM Bottom or Top)
- mounted 3-speed control

## COLOURS

### Primo

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
- sandblast grey (001), fine texture metallic
- off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%

Other colours: see colour chart.

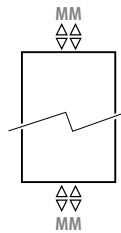
Only available in soft touch (code 1..), smooth satin (code 3..) and special colours.

**Not available in smooth glossy (code 2..).**

## HYDRAULIC CONNECTION

Standard connection:  
 central connection MM below or on top, flow left or right.

Top connection:  
 the radiator is symmetrical and can be mounted either way up. Provide an air vent on the central heating pipework above the radiator.











## CONNECTION SETS HEATING

Connection set to the wall with a Deco-Pro valve

TRV head and sleeve couplings included.



<b>set 48</b>	<b>BRUSHED STAINLESS STEEL</b>	€
	CODE.PW3.PS.1...	<b>311</b>
<b>set 41</b>	<b>CHROME</b>	€
	CODE.PW3.AW.1... 	<b>131</b>
	CODE.PW3.AC.1... 	<b>148</b>
	CODE.PW3.HC.1...  	<b>187</b>
<i>enter sleeve coupling code</i>		
	Precision metal tube 15/1	<b>115</b>
	Precision metal tube 16/1	<b>116</b>
	Precision metal tube 18/1	<b>118</b>
	RPE/ALU tube 16/2	<b>316</b>
	RPE/ALU tube 18/2	<b>318</b>

## Other connection sets and sleeve couplings

See chapter "Connection sets and valves" for all connection options and technical information

## ELECTRIC CONNECTION

Equipped with pre-perforated openings and 230 VAC clamp connector.

## 3-SPEED CONTROL (HA)

User friendly operation with three power positions and LED indication, mounted on the side of the Vertiga. Vertiga Hybrid switches fully automatically between heating and light cooling.



## BMS - HOME AUTOMATION / BUILDING MANAGEMENT SYSTEM (HB)

With 0-10V analog input.  
 Without control panel: the speed of the boosters is determined by the control signal. Automatic heating / cooling changeover is possible.

# H 200 - VERTIGA HYBRID

DIMENSIONS			POSITION	HEATING Room temperature 20°C				COOLING (Non-condensing) Room temperature 27°C	SOUND PRESSURE* dB(A)	PRICE STANDARD COLOURS	PRICE OTHER COLOURS	ORDER CODE
H cm	L cm	B cm		75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	16/18 Watts		Primo €	Primo €	
200	041	08	1	1315	784	517	325	127	26.0	1374	1579	VERW.200 041 08 /XXX
			2	1449	864	569	359	154	30.0			
			3	1620	966	636	401	178	33.3			
	052	08	1	1428	852	561	353	151	26.0	1493	1717	VERW.200 052 08 /XXX
			2	1633	974	642	404	180	30.0			
			3	2289	1365	899	566	237	36.6			
	065	08	1	1641	979	645	406	180	26.0	1615	1857	VERW.200 065 08 /XXX
			2	1872	1116	735	463	210	30.0			
			3	3042	1814	1195	753	304	39.9			
200	053	12	1	2054	1225	807	508	230	26.0	1666	1915	VERW.200 053 12 /XXX
			2	2374	1416	933	587	281	30.0			
			3	2925	1744	1149	724	410	38.7			
	070	12	1	2941	1754	1155	728	477	26.0	1818	2090	VERW.200 070 12 /XXX
			2	3808	2271	1496	942	578	30.0			
			3	4362	2601	1714	1079	918	40.8			
090	12	1	3461	2064	1360	856	717	26.0	1985	2281	VERW.200 090 12 /XXX	
		2	4758	2838	1869	1177	859	30.0				
		3	5605	3343	2202	1387	1464	42.9				

Output measured in accordance with EN 16430

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m<sup>3</sup> / reverberation time 0.5 sec.

enter colour code

# jaga

CLIMATE DESIGNERS

## MINI CANAL HYBRID

Same size, 3 times  
the heating output!

Condensing boilers, heat pumps and solar energy systems need far bigger heating elements because they operate at very low water temperatures that sometimes don't get above 35°C. For Mini Canal Hybrid it's not a problem, because it delivers 3 to 4 times more heat than a traditional natural trench heating output solution.

- High output at low water temperatures.
- For newbuild and renovation of commercial and public buildings.
- Connection for ventilation (option).
- Less space needed.
- A range of grilles for every interior.
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- **A 30 year guarantee** on the heat exchanger.

Mini Canal Hybrid is also suitable for non-condensing cooling in combination with any heat pump that has a cooling function. This mild form of cooling is very energy-efficient.

Also suitable  
for light  
cooling





MINI CANAL HYBRID



Mini Canal Hybrid  
H14 B34 L310  
🔴 55/45/20: 4238 Watts  
🔵 16/18/27: 446 Watts

# HEATING OR HEATING + LIGHT COOLING: THE IDEAL HEAT PUMP HEATER

## HIGH OUTPUT WITH ALL WATER TEMPERATURES, HOT AND COLD

New, environmentally-friendly installations require much better thermal units. This ensures a comfortable temperature at a low water temperature and a refreshing coolness with non-condensing cooling. Jaga Hybrid heating units are equipped with the brand new DBH system, DB stands for Dynamic Boost, to considerably increase the power of the heater. The H of Hybrid stands for the dual effect: heating and cooling.

- With Strada Hybrid you are choosing a complete climate solution for your home that is optimally controlled in order to guarantee the highest comfort level and minimal energy consumption perfectly controlled heating at the lowest water temperature thanks to the hybrid system's reaction speed
- By default, suitable for energy-efficient non-condensing cooling in combination with any heat pump.

## MOST RESPONSIVE OUTPUT SYSTEM CRUCIAL FOR HEATING AND COOLING DOWN

### Heating

Is the oven or the dishwasher on? Is sunlight entering the room? Your home is a dynamic given with constantly changing temperature conditions and comfort requirements. As soon as the room thermostat or the control system wants to make an adjustment, the Mini Canal Hybrid will very quickly provide the desired room temperature.

### Jaga Light cooling

The reaction capacity is also crucial for non-condensing cooling. In order to prevent moisture problems, central condensation monitoring must be provided. This can only work efficiently with a very fast-acting delivery system, which immediately adjusts the cooling system in case of a sudden rise in humidity.

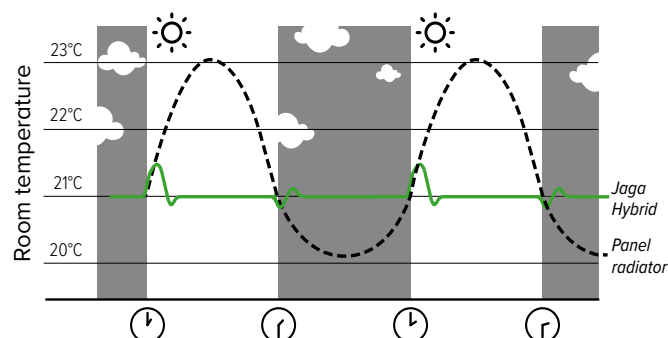
**More than ever, the responsiveness determines your energy consumption and your comfort.**

## MULTIFUNCTIONAL INTELLIGENCE

### Operation

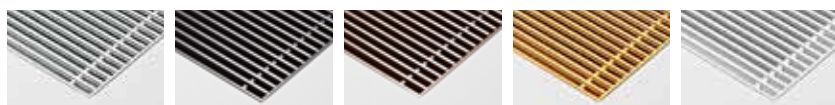
Manual switching between heating and cooling. The user manually selects the desired mode via the control panel. With every heating or cooling demand, the activator is controlled automatically as soon as the correct water temperature is detected. Depending on the room where the heating unit is located, you can set 3 different fan speeds: whisper-quiet bedroom mode max 26 dB(A) on setting 1, comfort mode for living areas max 30 dB(A) or the maximum setting.

## COMPARISON OF THE REACTION TIME IN CASE OF TEMPERATURE CHANGES



## GRILLE CODES

### Designo rigid aluminium grilles



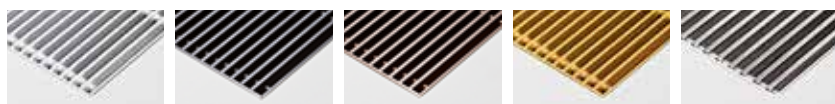
<b>DNA</b> natural coloured	<b>DBL</b> black	<b>DDB</b> dark brown	<b>DBR</b> brass coloured	<b>DNC/XXX (colour)</b> lacquered
--------------------------------	---------------------	--------------------------	------------------------------	--------------------------------------

### Rigid aluminium grilles



<b>SNA</b> natural coloured	<b>SBL</b> black	<b>SDB</b> dark brown	<b>SBR</b> brass coloured	<b>SNC/XXX (colour)</b> lacquered
--------------------------------	---------------------	--------------------------	------------------------------	--------------------------------------

### Roll-up aluminium grilles



<b>RNA</b> natural coloured	<b>RBL</b> black	<b>RDB</b> dark brown	<b>RBR</b> brass coloured	<b>RSS</b> stainless steel
--------------------------------	---------------------	--------------------------	------------------------------	-------------------------------

### Designo roll-up wooden grilles



<b>DMN</b> merbau <b>DMV</b> varnished	<b>DON</b> oak <b>DOV</b> varnished	<b>DBN</b> beech <b>DBV</b> varnished
---	--	--

### Roll-up wooden grilles



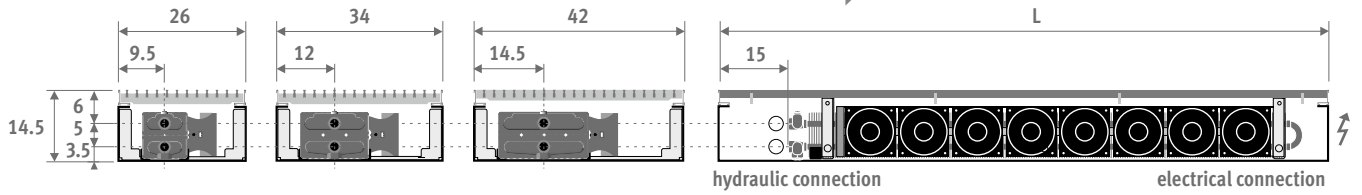
<b>RMN</b> merbau <b>RMV</b> varnished	<b>RON</b> oak <b>ROV</b> varnished	<b>RBN</b> beech <b>RBV</b> varnished
---	--	--

Our grilles and frames are available in all colours, with the exception of Sandblast grey 001. In case of intensive use (placement in circulation areas, for example in front of sliding windows and doors), wear is, of course, inevitable.

# MINI CANAL HYBRID - SUMMARY

Building in-opening: height  $H + 1$  cm, length  $L$  and width  $B + 0.5$  cm!

## PRODUCT SUMMARY



## COMPOSITION

### Grille

a wide range of design types and colours in anodized aluminium, various wood finishes and stainless steel

### Connection options

230 V/12 V

### Pre-configured and assembled Jaga Dynamic Product Controller

Control with touch operation (indication by LED's) and sensor for water temperature. Power supply 12 VDC

### Pre-mounted DBE units

### Low-H<sub>2</sub>O heat exchanger

made of copper and aluminium, made "invisible" by a dark grey lacquer (RAL 7024)

### Mini duct

from Sendzimir galvanized and dark grey lacquered steel plate; thickness 1 mm, with connection holes on all sides

### Fixing straps

number depending on the length

**Easy height adjustment** for uneven floors (option). Provided with acoustic decoupling.

**Frame (MDCL)**  
in anodized aluminium, colour to match the grille.



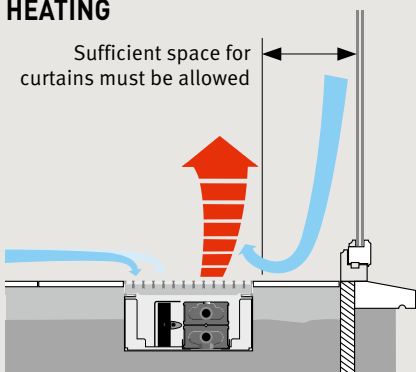
**Cover frame (MDCZ)**  
in anodized aluminium, colour to match the grille

**Pre-perforated system**  
for connections

**Seals** for the connection holes, made of black synthetic material

## OPERATING PRINCIPLE HEATING

Sufficient space for curtains must be allowed



## EVEN COMFORT TEMPERATURE

The downward cold air flow associated with glazed façades often causes discomfort. Mini Canal ensures a warm air curtain: the cold air layer from the glass and the cooler return air on the floor are drawn in, heated and mixed with the warmer upper air so a balanced and even comfort temperature is achieved.

⚠ Heat exchanger always on the window side!



# MINI CANAL HYBRID - COMPOSITION

## ORDERING CODE

### WITH FRAME (L-PROFILE)

code	height	length	width	grille
MDCL .	014	110	26	/XXX
<i>fill in grille code</i>				

### WITH COVER FRAME (Z-PROFILE)

code	height	length	width	grille
MDCZ .	014	110	26	/XXX
<i>fill in grille code</i>				

Mini Canal is also available with a cover frame. The cover frame facilitates a perfect finish with renovations or wooden floors.

NEW

## DELIVERY

Pre-assembled, dark grey

lacquered Mini Canal Hybrid with:

- Low-H<sub>2</sub>O heat exchanger
- Pre-mounted Jaga Dynamic Product Controller (JDPC)
- grille and mounted L-profile or Z-profile frame
- fixing straps
- air vent(s) 1/8" and drain plug(s) 1/2"
- DBE units according to length, with protection grille
- 12 VDC control with water temperature sensor
- clamp connector for 12 VDC, directly on the control board

## INSTALLATION

The Mini Canal Hybrid is completely mounted and ready for use. Suitable for installation onto rough concrete subfloors, in floating or suspended floors, or even into existing trenches. Optional 'Z' profile cover frame for mounting on the finished floor. If this isn't possible, the cover frame can be detached and be replaced when desired.

The cover frame allows the seam between the floor and the trench to be covered.

### Installation

- Simple installation, with no on site assembly or joining of finned tubes.
- Position level on the finished floor using fixing straps or optional height control adjusters.
- Insert the pipework and close the opening .
- If necessary, provide an extra pipe for the thermostat head with remote control.
- Test the pressure of the installation.
- Finish the floor.

## HYDRAULIC CONNECTION

- The heat exchanger has to be connected at the left side of the duct. This can be done in several ways:
- to the central control system, temperature regulators via room thermostat or BMS (no valve in the duct).
- with manual valve in the duct.
- with thermostatic valve in the duct: in this case it is best to provide a head with remote control outside the duct. Control is simple and the thermostat will provide better measurement of the ambient temperature.

## OPERATING PRINCIPLE STANDARD ASSEMBLED JAGA DYNAMIC PRODUCT CONTROLLER (JDPC)

Multifunctional controller for dynamic heating and cooling devices, pre-configured and assembled inside the device.

- indication of operating mode by LED's
  - control with touch operation and sensor for water temperature, pre-configured and assembled by Jaga
  - power supply 12 VDC
  - ventilator settings:
    - o Standby
    - o heating: 3 speeds (operates at water temperature >28°C, can easily be modified)
    - o Cooling: 3 speeds (Operates at water temperature < 18°C, can easily be modified)
  - 0-10 V input for building management system/thermostats / DPC.MD61
- For more information contact Jaga  
 ☎ +32 11 29 41 12 - ✉ [export@jaga.be](mailto:export@jaga.be)  
 or your local dealer.



Touch operation

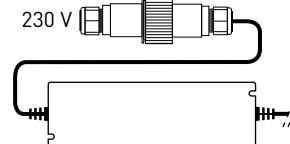
Product controller

## ELECTRIC CONNECTION

Connection always at the right side of de duct

### Option VAC:

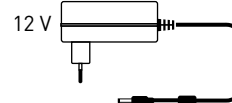
for connection to 230 VAC with waterproof power and cable gland in the duct. Fill up ordering code with /VAC



CODE	€/piece
MDCL.HHH LLL BB/XXX/VAC	108

### Option VDC:

Plug-in wall power supply 230 VAC/12VDC. Fill up ordering code with /VDC



CODE	€/piece
MDCL.HHH LLL BB/XXX/VDC	42

## CONNECTION SETS HEATING

With remote control



CODE 2-PIPE	€
set 272	

COMC.JV2.RD.4...	171
<i>fill in sleeve coupling code</i>	

Precision metal tube 14/1	114
Precision metal tube 15/1	115
Precision metal tube 16/1	116
RPE/ALU tube 16/2	616

### Other thermostatic heads and sleeve couplings

see chapter "Connection sets and valves Low-H<sub>2</sub>O" for all connection options and technical information.

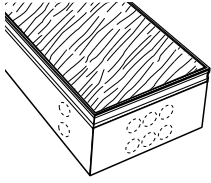
## CONNECTION SETS HEATING / COOLING

use set 272 with manual head (MA)



# OPTIONS - MINI CANAL HYBRID

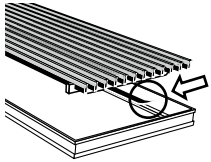
## COVER PLATE



In fibreboard, thickness 22 mm. Protects the duct against contamination and damage during construction works.

	code	length	width
<b>ORDERING CODE</b>	<b>7691.000</b>	<b>110</b>	<b>026</b>
<b>L</b>	<b>B 026</b>	<b>034</b>	<b>042</b>
110	27	31	33
130	29	33	35
150	31	35	38
170	32	37	40
190	33	38	43
210	35	42	45
230	37	43	47
250	38	45	49
270	40	47	52
290	42	48	54
310	43	50	57

## CONTACT STRIP

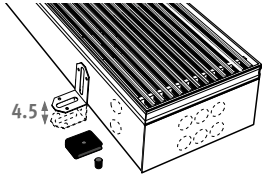


For aluminium and wood grilles (not for stainless steel). Black adhesive rubber strip, thickness 0.5 mm. To avoid contact noises. Order the number of

rolls required according to the circumference of the frame:  $(B + L) \times 2$ .

CODE		€
7690.02	Roll 6 metre	32

## HEIGHT CONTROL

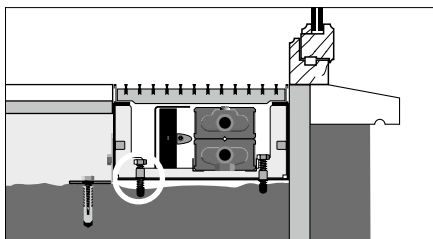


Simple height control for uneven subfloors. Provided with acoustic decoupling.

CODE		€/set
7690.01	height control 0 - 4.5 cm	10,00
7690.04	height control 4.5 - 10 cm	20

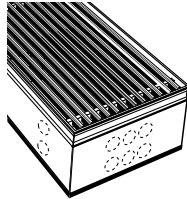
Recommended numbers for length:

1 set =	110 cm	2 kits
	130 > 190 cm	3 kits
	210 cm	4 kits
	230 > 310 cm	5 kits



The height control option is always provided with extra adjusting screws in order to install the duct flat against the window frame.

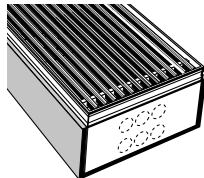
## BASE INSULATION



In dark grey extruded EPDM, thickness 5 mm. Also to avoid transfer of noise when used on upper storeys. (Not available separately!)

	code	length	width
<b>ORDERING CODE</b>	<b>7692.000</b>	<b>110</b>	<b>026</b>
<b>L</b>	<b>B 026</b>	<b>034</b>	<b>042</b>
110	18	18	19
130	19	19	20
150	20	21	22
170	21	22	25
190	21	25	26
210	23	25	26
230	25	26	28
250	26	27	29
270	26	28	31
290	27	29	32
310	28	31	33

## 3-SIDED INSULATION

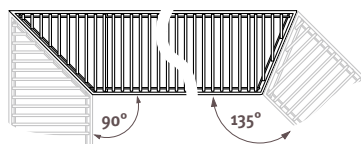
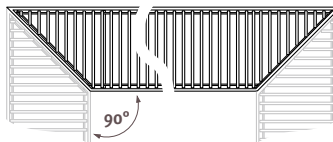


In dark grey extruded EPDM, thickness 5 mm. (Not available separately!)

	code	height	length	width
<b>ORDERING CODE</b>	<b>7693.014</b>	<b>110</b>	<b>026</b>	
<b>H</b>	<b>L</b>	<b>B 026</b>	<b>034</b>	<b>042</b>
014	110	47	47	48
	130	48	49	50
	150	52	52	53
	170	54	54	56
	190	56	57	60
	210	59	61	62
	230	61	64	66
	250	64	67	68
	270	67	70	71
	290	70	74	75
	310	74	76	78

## CORNERS 135° OR 90°

For wooden and aluminium grilles.



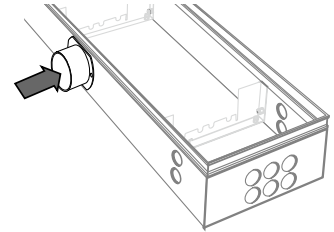
To order corner elements, please contact Jaga at: [export@jaga.be](mailto:export@jaga.be). Ducts and grilles delivered with mitre joints +connecting pieces for invisible mounting.

## DIFFERENT HEIGHT, WIDTH OR LENGTH

Contact Jaga.

## AIR REFRESHMENT

### Mounted spigot connector for air supply channel



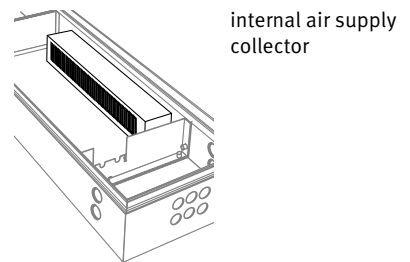
CODE		€
/V1	1 spigot connection ø 80 mm	146
/V2	2 spigot connections ø 80 mm	217

Add /V1 or /V2 to the Mini Canal code.

Example: MDCL. 014 110 26 /XXX /V1

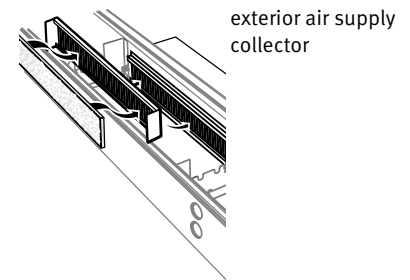
### Other systems

#### Air refreshment system 2



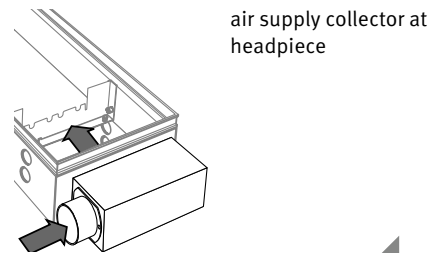
internal air supply collector

#### Air refreshment system 3



exterior air supply collector

#### Air refreshment system 4



air supply collector at headpiece

For more information see: [www.jaga.com](http://www.jaga.com)

# MINI CANAL HYBRID - B 026

DIMENSIONS			POSITION	HEATING ROOM TEMPERATURE 20 °C				COOLING (Non-condensing) ROOM TEMPERATURE 27 °C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CON- SUMPTION	ORDER CODE
H	L	B		75/65	55/45	45/35	35/30	16/18				
cm	cm	cm		Watts	Watts	Watts	Watts	Watts	dB(A)	m³/h	Watts	
014	110	26	0	285	141	80	43	---	0.0	---	0.0	MDCL. 014 110 26 /XXX
			1	1409	788	492	293	92	26.0	166	8.4	
			2	1505	841	526	313	97	30.0	190	9.4	
			3	1568	877	548	326	97	35.7	230	11.0	
	130	26	0	359	178	101	54	---	0.0	---	0.0	MDCL. 014 130 26 /XXX
			1	1810	1012	633	376	120	26.0	212	10.8	
			2	1949	1090	681	405	128	30.0	242	12.0	
			3	2068	1156	723	430	129	37.0	306	14.7	
	150	26	0	430	213	120	64	---	0.0	---	0.0	MDCL. 014 150 26 /XXX
			1	2198	1229	768	457	147	26.0	257	13.2	
			2	2379	1330	832	494	158	30.0	293	14.6	
			3	2567	1435	897	533	161	38.0	383	18.3	
170	26	0	503	249	141	75	---	0.0	---	0.0	MDCL. 014 170 26 /XXX	
		1	2577	1441	901	536	173	26.0	301	15.5		
		2	2802	1567	979	582	188	30.0	343	17.2		
		3	3067	1715	1072	637	193	38.8	460	22.0		
190	26	0	587	290	164	88	---	0.0	---	0.0	MDCL. 014 190 26 /XXX	
		1	2960	1655	1035	615	199	26.0	343	17.8		
		2	3228	1805	1128	671	217	30.0	391	19.7		
		3	3578	2000	1251	744	225	39.4	536	25.7		
210	26	0	644	319	180	96	---	0.0	---	0.0	MDCL. 014 210 26 /XXX	
		1	3017	1687	1055	627	119	26.0	343	17.8		
		2	3285	1837	1148	683	217	30.0	391	19.7		
		3	3636	2033	1271	756	225	39.4	536	25.7		
230	26	0	717	355	201	107	---	0.0	---	0.0	MDCL. 014 230 26 /XXX	
		1	3345	1870	1169	695	224	26.0	385	20.0		
		2	3658	2045	1279	760	245	30.0	438	22.2		
		3	4100	2292	1433	852	258	40.0	613	29.3		
250	26	0	788	390	221	118	---	0.0	---	0.0	MDCL. 014 250 26 /XXX	
		1	3738	2090	1307	777	249	26.0	426	22.2		
		2	4095	2289	1431	851	273	30.0	485	24.6		
		3	4634	2591	1620	963	290	40.5	689	33.0		
270	26	0	860	425	241	128	---	0.0	---	0.0	MDCL. 014 270 26 /XXX	
		1	4089	2286	1429	850	273	26.0	467	24.4		
		2	4491	2511	1570	933	300	30.0	531	27.0		
		3	5134	2870	1795	1067	322	41.0	766	36.7		
290	26	0	931	460	261	139	---	0.0	---	0.0	MDCL. 014 290 26 /XXX	
		1	4434	2479	1550	921	297	26.0	506	26.5		
		2	4881	2729	1706	1014	328	30.0	576	29.4		
		3	5556	3106	1942	1155	362	38.1	757	36.8		
310	26	0	1006	498	282	150	---	0.0	---	0.0	MDCL. 014 310 26 /XXX	
		1	4779	2672	1670	993	320	26.0	546	28.7		
		2	5272	2947	1843	1096	355	30.0	621	31.8		
		3	5800	3243	2027	1205	386	35.0	733	36.4		

Output measured in accordance with EN 16430

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

fill in grille code

# B 026 - MINI CANAL HYBRID

DIMENSIONS			DMN / DBN	RMN / RMV	RBN / RBV	DMV / DOV / DON	RBR / RNA	RON / ROV	DNA / DBR	DBL / DDB	RBL / RDB / DBV	SNA	SBL / SDB / SBR	RSS	SNC/XXX	DNC/XXX
H	L	B	€	€	€	€	€	€	€	€	€	€	€	€	€	€
cm	cm	cm														
014	110	26	968	875	895	1033	953	953	995	1006	1006	951	983	1487	992	1052
130	26		1056	945	968	1133	1040	1040	1087	1103	1103	1035	1074	1668	1083	1154
150	26		1240	1112	1139	1328	1221	1221	1276	1293	1293	1218	1263	1948	1272	1354
170	26		1466	1320	1352	1567	1444	1444	1507	1526	1526	1440	1489	2268	1500	1595
190	26		1538	1376	1409	1652	1516	1516	1584	1607	1607	1511	1566	2437	1579	1682
210	26		1739	1560	1599	1863	1714	1714	1790	1815	1815	1706	1770	2734	1783	1899
230	26		1836	1640	1682	1975	1808	1808	1894	1919	1919	1802	1870	2926	1885	2011
250	26		2025	1813	1858	2177	1994	1994	2087	2114	2114	1988	2062	3211	2078	2216
270	26		2101	1870	1919	2263	2067	2067	2168	2197	2197	2058	2139	3381	2158	2305
290	26		2313	2065	2115	2486	2275	2275	2383	2417	2417	2267	2354	3688	2375	2532
310	26		2500	2236	2291	2686	2461	2461	2579	2609	2609	2453	2544	3971	2564	2735

# MINI CANAL HYBRID - B 034

DIMENSIONS			POSITION	HEATING ROOM TEMPERATURE 20 °C				COOLING (Non-condensing) ROOM TEMPERATURE 27 °C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CON- SUMPTION	ORDER CODE
H	L	B		75/65	55/45	45/35	35/30	16/18				
cm	cm	cm		Watts	Watts	Watts	Watts	Watts	dB(A)	m³/h	Watts	
014	110	34	0	376	186	105	56	---	0.0	---	0.0	MDCL. 014 110 34 /XXX
			1	1821	1030	650	390	104	26.0	166	8.4	
			2	1944	1099	694	417	113	30.0	190	9.4	
			3	1990	1125	710	426	113	35.7	230	11.0	
	130	34	0	473	234	132	71	---	0.0	---	0.0	MDCL. 014 130 34 /XXX
			1	2336	1321	833	501	133	26.0	212	10.8	
			2	2519	1425	899	540	148	30.0	242	12.0	
			3	2624	1484	936	562	151	37.0	306	14.7	
	150	34	0	566	280	159	85	---	0.0	---	0.0	MDCL. 014 150 34 /XXX
			1	2831	1601	1010	607	161	26.0	257	13.2	
			2	3076	1739	1097	659	181	30.0	293	14.6	
			3	3256	1841	1162	698	189	38.0	383	18.3	
170	34	0	663	328	186	99	---	0.0	---	0.0	MDCL. 014 170 34 /XXX	
		1	3315	1875	1183	711	188	26.0	301	15.5		
		2	3622	2048	1292	776	213	30.0	343	17.2		
		3	3890	2200	1388	834	226	38.8	460	22.0		
190	34	0	773	382	217	115	---	0.0	---	0.0	MDCL. 014 190 34 /XXX	
		1	3801	2150	1356	815	214	26.0	343	17.8		
		2	4171	2359	1488	894	245	30.0	391	19.7		
		3	4539	2566	1619	973	264	39.4	536	25.7		
210	34	0	849	420	238	127	---	0.0	---	0.0	MDCL. 014 210 34 /XXX	
		1	3877	2192	1383	831	214	26.0	343	17.8		
		2	4247	2401	1515	910	245	30.0	391	19.7		
		3	4614	2609	1646	989	264	39.4	536	25.7		
230	34	0	945	467	265	141	---	0.0	---	0.0	MDCL. 014 230 34 /XXX	
		1	4338	2453	1548	930	238	26.0	385	20.0		
		2	4772	2698	1703	1023	275	30.0	438	22.2		
		3	5248	2968	1872	1125	302	40.0	613	29.3		
250	34	0	1039	514	291	155	---	0.0	---	0.0	MDCL. 014 250 34 /XXX	
		1	4789	2708	1709	1026	262	26.0	426	22.2		
		2	5287	2990	1886	1133	305	30.0	485	24.6		
		3	5880	3325	2098	1260	339	40.5	689	33.0		
270	34	0	1133	560	317	169	---	0.0	---	0.0	MDCL. 014 270 34 /XXX	
		1	5230	2958	1866	1121	285	26.0	467	24.4		
		2	5794	3276	2067	1242	334	30.0	531	27.0		
		3	6511	3682	2323	1395	377	41.0	766	36.7		
290	34	0	1227	607	344	183	---	0.0	---	0.0	MDCL. 014 290 34 /XXX	
		1	5665	3204	2021	1214	308	26.0	506	26.5		
		2	6295	3560	2246	1349	362	30.0	576	29.4		
		3	7138	4037	2547	1530	424	38.1	757	36.8		
310	34	0	1325	656	371	198	---	0.0	---	0.0	MDCL. 014 310 34 /XXX	
		1	6097	3448	2175	1307	330	26.0	546	28.7		
		2	6793	3841	2424	1456	390	30.0	621	31.8		
		3	7495	4238	2674	1606	446	35.0	733	36.4		

Output measured in accordance with EN 16430

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

fill in grille code

# B 034 ■ MINI CANAL HYBRID

DIMENSIONS			DMN / DBN	RMN / RMV	RBN / RBV	DMV / DOV / DON	RBR / RNA	RON / ROV	DNA / DBR	DBL / DDB	RBL / RDB / DBV	SNA	SBL / SDB / SBR	RSS	SNC/XXX	DNC/XXX
H	L	B	€	€	€	€	€	€	€	€	€	€	€	€	€	€
cm	cm	cm														
014	110	34	1049	943	968	1142	1047	1047	1128	1142	1142	1054	1097	1716	1104	1202
130	34		1154	1026	1056	1263	1150	1150	1244	1264	1264	1156	1206	1941	1216	1333
150	34		1352	1205	1239	1477	1347	1347	1456	1478	1478	1355	1412	2261	1424	1560
170	34		1601	1435	1473	1743	1596	1596	1719	1743	1743	1603	1670	2633	1682	1836
190	34		1689	1501	1544	1849	1683	1683	1822	1850	1850	1693	1768	2842	1780	1953
210	34		1931	1726	1774	2107	1925	1925	2079	2109	2109	1936	2019	3209	2034	2223
230	34		2057	1832	1883	2249	2051	2051	2219	2253	2253	2062	2153	3456	2168	2378
250	34		2263	2019	2074	2473	2257	2257	2438	2474	2474	2266	2366	3783	2382	2609
270	34		2354	2090	2151	2582	2347	2347	2544	2583	2583	2358	2466	3996	2485	2729
...																
290	34		2582	2298	2362	2827	2574	2574	2786	2828	2828	2586	2703	4346	2722	2986
310	34		2786	2482	2551	3045	2776	2776	3004	3048	3048	2790	2914	4671	2935	3217

# MINI CANAL HYBRID - B 042

DIMENSIONS			POSITION	HEATING ROOM TEMPERATURE 20°C				COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CON- SUMPTION	ORDER CODE
H	L	B		75/65	55/45	45/35	35/30					
cm	cm	cm		Watts	Watts	Watts	Watts	Watts	dB(A)	m³/h	Watts	
014	110	42	0	466	231	131	70	---	0.0	---	0.0	MDCL. 014 110 42 /XXX
			1	2141	1213	766	461	89	26.0	166	8.4	
			2	2279	1291	815	490	96	30.0	190	9.4	
			3	2332	1320	834	502	96	35.7	230	11.0	
	130	42	0	586	290	164	87	---	0.0	---	0.0	MDCL. 014 130 42 /XXX
			1	2749	1557	984	592	115	26.0	212	10.8	
			2	2953	1673	1057	636	126	30.0	242	12.0	
			3	3072	1740	1099	661	128	37.0	306	14.7	
	150	42	0	702	347	197	105	---	0.0	---	0.0	MDCL. 014 150 42 /XXX
			1	3334	1888	1193	718	140	26.0	257	13.2	
			2	3607	2043	1290	776	155	30.0	293	14.6	
			3	3810	2158	1363	820	160	38.0	383	18.3	
170	42	0	821	406	230	123	---	0.0	---	0.0	MDCL. 014 170 42 /XXX	
		1	3908	2213	1398	841	164	26.0	301	15.5		
		2	4249	2407	1520	914	183	30.0	343	17.2		
		3	4552	2578	1629	980	192	38.8	460	22.0		
190	42	0	958	474	268	143	---	0.0	---	0.0	MDCL. 014 190 42 /XXX	
		1	4485	2540	1605	965	164	26.0	343	17.8		
		2	4897	2773	1752	1054	183	30.0	391	19.7		
		3	5310	3008	1900	1143	192	39.4	536	25.7		
210	42	0	1052	520	295	157	---	0.0	---	0.0	MDCL. 014 210 42 /XXX	
		1	4579	2593	1638	985	187	26.0	343	17.8		
		2	4990	2826	1786	1074	210	30.0	391	19.7		
		3	5404	3061	1934	1163	224	39.4	536	25.7		
230	42	0	1171	579	328	175	---	0.0	---	0.0	MDCL. 014 230 42 /XXX	
		1	5126	2903	1834	1103	210	26.0	385	20.0		
		2	5609	3177	2007	1207	237	30.0	438	22.2		
		3	6144	3480	2198	1322	256	40.0	613	29.3		
250	42	0	1287	637	361	192	---	0.0	---	0.0	MDCL. 014 250 42 /XXX	
		1	5662	3207	2026	1219	231	26.0	426	22.2		
		2	6217	3521	2224	1338	263	30.0	485	24.6		
		3	6883	3898	2463	1481	288	40.5	689	33.0		
270	42	0	1404	694	393	210	---	0.0	---	0.0	MDCL. 014 270 42 /XXX	
		1	6188	3505	2214	1332	253	26.0	467	24.4		
		2	6816	3860	2439	1467	288	30.0	531	27.0		
		3	7622	4317	2727	1640	321	41.0	766	36.7		
290	42	0	1520	752	426	227	---	0.0	---	0.0	MDCL. 014 290 42 /XXX	
		1	6706	3798	2399	1443	273	26.0	506	26.5		
		2	7407	4195	2650	1594	313	30.0	576	29.4		
		3	8350	4729	2988	1797	359	38.1	757	36.8		
310	42	0	1642	812	460	245	---	0.0	---	0.0	MDCL. 014 310 42 /XXX	
		1	7222	4090	2584	1554	294	26.0	546	28.7		
		2	7997	4529	2861	1721	338	30.0	621	31.8		
		3	8779	4972	3141	1889	380	35.0	733	36.4		

Output measured in accordance with EN 16430

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

fill in grille code

# B 042 - MINI CANAL HYBRID

DIMENSIONS			DMN / DBN	RMN / RMV	RBN / RBV	DMV / DOV / DON	RBR / RNA	RON / ROV	DNA / DBR	DBL / DDB	RBL / RDB / DBV	SNA	SBL / SDB / SBR	RSS	SNC/XXX	DNC/XXX
H	L	B	€	€	€	€	€	€	€	€	€	€	€	€	€	€
cm	cm	cm														
014	110	42	1136	1017	1044	1253	1142	1142	1213	1229	1229	1157	1213	2045	1220	1293
130	42		1251	1109	1142	1394	1263	1263	1344	1363	1363	1276	1343	2328	1353	1440
150	42		1492	1327	1365	1654	1501	1501	1598	1621	1621	1520	1596	2736	1608	1706
170	42		1765	1579	1623	1947	1776	1776	1884	1910	1910	1798	1883	3177	1897	2011
190	42		1868	1660	1708	2075	1882	1882	2001	2032	2032	1906	2000	3448	2016	2142
210	42		2101	1870	1925	2327	2114	2114	2247	2283	2283	2141	2245	3848	2263	2404
230	42		2253	2000	2058	2501	2267	2267	2415	2450	2450	2297	2413	4166	2429	2584
250	42		2474	2200	2264	2745	2490	2490	2648	2688	2688	2520	2647	4555	2667	2835
270	42		2582	2286	2354	2875	2600	2600	2770	2814	2814	2634	2769	4830	2790	2972
290	42		2827	2508	2583	3139	2845	2845	3028	3076	3076	2882	3026	5240	3050	3244
310	42		3046	2705	2786	3381	3066	3066	3263	3312	3312	3105	3262	5629	3286	3495

# jaga

CLIMATE DESIGNERS

## CLIMA CANAL 08

Extremely compact and silent

### **For low temperature heating and light cooling.**

Despite its height of just 8 cm, the Jaga Clima Canal 08 delivers a high heat output and is also suitable for light cooling. The dynamic heat exchanger and the tangential fans have been specially developed in order to generate higher power levels within a limited volume. It does so at a very low noise level.

### **Ventilate comfortably**

Jaga Clima Canal can optionally be provided with a ventilation connection. The Clima Canal can thus provide comfortable and pre-heated ventilation while being completely integrated into the floor.

### **With energy-efficient EC- motors**

By making use of the latest EC-motors, the Clima Canal units use 50 % less electrical energy. Moreover, these EC-motors can be controlled through the latest home automation systems via their 0-10 VDC speed control.

Clima Canal 10, 13 en 019: Ook geschikt voor niet condenserende en condenserende koeling





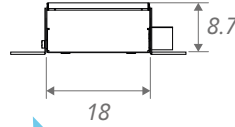
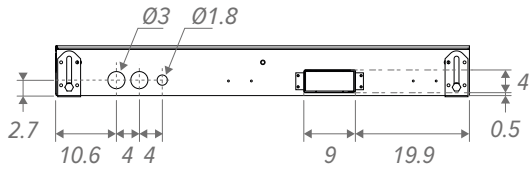


CLIMA CANAL 08

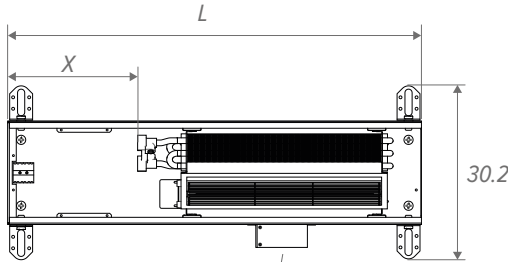
# CLIMA CANAL 08 - SUMMARY



## DIMENSIONS (in cm)



Our Clima Canal allows for a continuous installation.



Option mounted spigot connector for air supply channel

L	L through-mounting	X
72.3	72.1	23.0
108.3	108.1	23.0
144.3	144.1	18.5
180.3	180.1	15.0

Building in-opening: +0.5 cm

## ORDERING CODE

code	height	length	width	grille
CLCM .	008	072	18	/XXX
fill in grille code ↓				

## STANDARD DELIVERY

- casing in Sendzimir-galvanised steel sheet (RAL7024) with height adjustment and stainless steel grille support
- anodized aluminium grille(s)
- dynamic heat exchanger
- 2 stainless steel flexible connections 1/2", length 15 cm.
- thermal activator(s), (tangential mini activator)

With energy efficient EC motor

## HYDRAULIC CONNECTION

- one-sided 2-pipe connection on the left
- always install Clima Canal with the heat exchanger on the window or wall side
- 2 x 1/2" stainless steel hose included
- allow extra space for curtains, in between the window and the canal.
- The heat exchanger must always be kept accessible for maintenance purposes

- if the appliance is not mounted flat on the floor, the space between the bottom of the appliance and the floor should be filled with a stable filler material.

## ELECTRIC CONNECTION

- clamp connector for 24VDC electrical connection, left side, to be connected via external power supply.
- control of speed activator(s) 0-10V

## COMPOSITION

### Cover plate

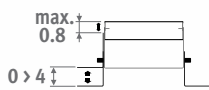
### Grille

several styles and colours in anodized aluminium and a range of wood finishes

**Stainless steel flexible connections 1/2". Length 15 cm**

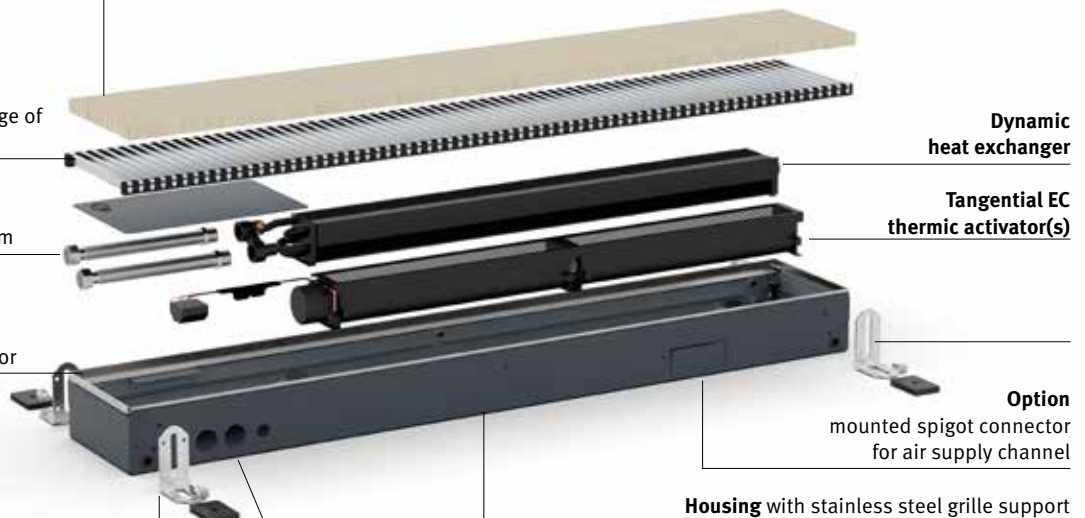
### Fine adjustment

to max. 0.8 cm, for a perfect alignment with the finished floor



Fine adjustment: 8.5 > 9.3 cm

**Feet with height adjustment 0 > 4.5 cm**  
Provided with acoustic decoupling.



**Electric connection & Hydraulic connection (always left)**

# CLIMA CANAL 08

DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CONSUMPTION	PRICE BNA / BON / BBN	PRICE BNC	PRICE BOV / BBV	ORDER CODE
H	L	B		U	75/65	55/45	45/35	35/30							
cm	cm	cm	V	Watts	Watts	Watts	Watts	Watts	dB(A)	m³/h	Watts	€	€	€	
008	072	18	2	276	165	108	68	30	14	24	0.5	907	1044	997	CLCM.008 072 18 /XXX
			4	496	296	195	123	66	15	37	0.8				
			6	699	417	275	173	104	23	52	1.3				
			8	891	531	350	220	144	28	68	2.1				
			10	1075	641	422	266	185	34	79	3.0				
108	18	18	2	569	339	224	141	62	15	42	0.6	1240	1427	1363	CLCM.008 108 18 /XXX
			4	1021	609	401	253	135	19	75	1.3				
			6	1438	858	565	356	214	29	98	2.7				
			8	1834	1094	720	454	296	32	125	4.6				
			10	2214	1320	870	548	381	37	160	7.1				
144	18	18	2	894	533	351	221	97	16	66	1.1	1727	1988	1901	CLCM.008 144 18 /XXX
			4	1605	957	631	397	212	20	112	2.1				
			6	2260	1348	888	559	336	30	150	4.0				
			8	2881	1718	1132	713	465	35	193	6.6				
			10	3479	2075	1367	861	598	39	239	10.1				
180	18	18	2	1219	727	479	302	132	18	84	1.2	1962	2257	2157	CLCM.008 180 18 /XXX
			4	2188	1305	860	541	290	22	150	2.5				
			6	3082	1838	1211	763	458	32	196	5.4				
			8	3929	2343	1543	972	634	37	250	9.1				
			10	4744	2829	1864	1174	816	41	320	14.1				

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

fill in grille code

## OVERVIEW GRILLES

### Wooden grilles



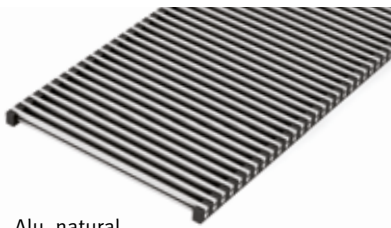
**BON** Oak  
**BOV** Oak varnished



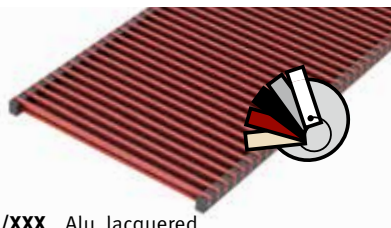
**BBN** Beech  
**BBV** Beech varnished



### Aluminium grilles



**BNA** Alu. natural



**BNC/XXX** Alu. lacquered



Fully removable internal mechanism for easy cleaning.

Our grilles are available in all colours, with the exception of Sandblast grey 001. In case of intensive use (placement in circulation areas, for example in front of sliding windows and doors), wear is, of course, inevitable.

# CLIMA CANAL 08 - OPTIONS

## CLOCK THERMOSTATS HEATING / COOLING

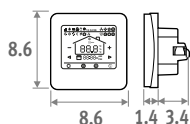
The general characteristics in bold below are valid for the thermostats 8751.050013 - 8751.050012 - 8751.050009 - 8751.050017

- automatic thermostat for 2-pipe: heating/cooling or auto
- ventilator speed: min./med./max. or auto
- power supply 24 VDC
- output control(s) 0-10 VDC
- 1 clock thermostat per room
- programmable zones
- LCD display with background lighting
- protection category IP30

## FOR RECESSED MOUNTING

NEW

### Jaga clock thermostat for recessed/panel mounting JRT-100TW



Touchscreen



Wi-Fi

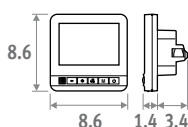


App

- LCD touchscreen with background lighting
- control via WIFI (smartphone app)
- programmable time zones 7 days (1-7)
- control valves 24 VDC heating/cooling
- thermostat to be mounted in a junction box
  - spacing holes at 6 cm
  - minimum depth 4.5 cm
  - inner dimension 5 x 5 cm or Ø 6 cm

CODE		€
8751.050017	recessed/panel mounted White	177
8751.050019	recessed/panel mounted Black	177

### Jaga clock thermostat for recessed/panel mounting

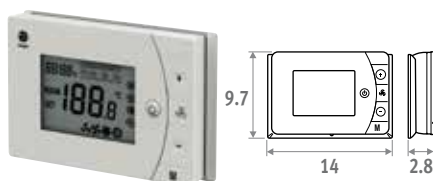


- control valves 24 VDC heating/cooling
- thermostat to be mounted in a junction box
  - spacing holes at 6 cm
  - minimum depth 4.5 cm
  - inner dimension 5 x 5 cm or Ø 6 cm

CODE		€
8751.050012	recessed/panel mounted	106

## FOR WALL MOUNTING

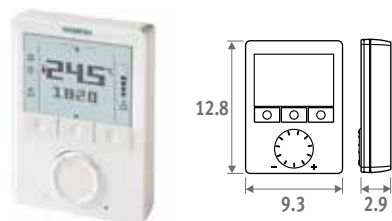
### Jaga clock thermostat for wall mounting



- 2 potential-free contacts heating/cooling (f.e. valve control 24 VDC or 230 VAC)
- with key card contact / window contact
- can be mounted on a junction box with screw holes at 6 cm

CODE		€
8751.050013	wall mounted	100

### Siemens clock thermostat for wall mounting



- unlimited adjustment possibilities: 74 features and diagnostic test

For more information contact Jaga:

☎ +32 11 29 41 12 - ✉ export@jaga.be

CODE		€
8751.050009	wall mounted	315

## PRE-ASSEMBLED JAGA DYNAMIC PRODUCT CONTROLLER (JDPC)

**Multifunctional controller for dynamic heating and cooling devices provided with one or more built-in fans. The Jaga Dynamic Product Controller is pre-configured and assembled inside the device. The configuration options are device dependent, and are selected using the code shown on the sticker in the device.**

- control per appliance
- control with operation and with sensor for water temperature, pre-configured and assembled by Jaga
- power supply 24 VDC
- ventilator settings:
  - o standby
  - o heating: 3 speeds (operates at water temperature >28°C, can easily be modified)
  - o cooling: 3 speeds (operates at water temperature <18°C, can easily be modified)
- 0-10 V input for building management system/thermostats/DPC.CC71-72

For more information contact Jaga

☎ +32 11 29 41 12 - ✉ export@jaga.be

CODE		€
DPC.CC24	Heating	96
DPC.CC25	Heating and cooling	103

Touch operation

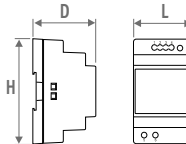


Product controller

## POWER SUPPLY DIN-RAIL MONTAGE



The guarantee is only valid if the original Jaga power supply is used.



CODE	H	L	D
7990.054	9.0	3.5	5.9
7990.055	9.0	5.3	5.9
7990.056	9.0	7.0	5.9
7990.057	9.0	10.3	5.9

- for DIN-rail or wall mounting
- conformity UL60950 / UL508 / IEC 60950-1 / TUV EN61558-2-16 / Class 2
- output voltage 24 VDC / input 100 - 240 VAC
- screw connection and LED indicator

CODE	Output Watts	Output current A	€
7990.054	36	1.5	48
7990.055	60	2.5	65
7990.056	92	3.9	93
7990.057	150	10	187

Required power = sum of the power consumption of the devices

## MAXIMUM CABLE LENGTH

in function of the number of devices: see <http://www.jaga.com/en/products/trench-heating/clima-canal>

## SEPARATE POWER SUPPLY

Waterproof power supply 24 VDC/40 Watt with waterproof cable gland.



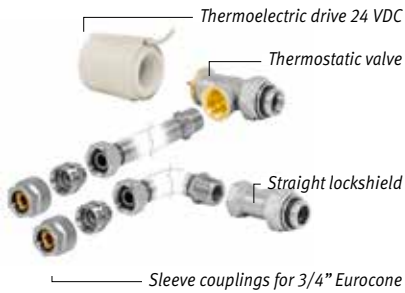
Not suitable for installation in the floor duct.

- conformity: UL60950 - EN 60950 / Class 2
- output voltage 24 VDC
- input voltage 100 - 240 VAC
- dimensions L 14.5 x B 4.5 x H 3.0 cm

CODE	output Watts	Output current A	€
37603.010002	40	1.67	93

# OPTIONS - CLIMA CANAL 08

## CONNECTION SET WITH JAGA TWO-WAY VALVE 24 VDC



- 24 VDC thermoelectric drive
- valve G1/2" x G1/2" 90°
- lockshield G1/2" x G1/2" 180°
- pressure drop graph Jaga valve: see p. 338

set 297

**Kv max. 0.8 - Presetting in 6 steps**

**TWO PIPE**

€

CODY.JA4.24.4...	24 VDC	104
CODY.JA4.10.4...	0...10 VDC	203

set 298

**Kv 1.0 - without pre-setting**

**TWO PIPE**

€

CODY.WA4.24.4...	24 VDC	108
CODY.WA4.10.4...	0...10 VDC	205

fill in sleeve coupling code:

## CONNECTION SET WITH 2 LOCKSHIELDS G 1/2"



set 299

CODY.LOM.00.4...	46
------------------	----

fill in sleeve coupling code:

## SLEEVE COUPLINGS EUROCONE

**Precision metal tube**

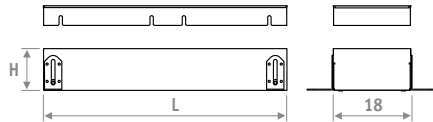
CODE	Tube
112	12/1
114	14/1
115	15/1
116	16/1
118	18/1

**Synthetic or RPE/ALU tube**

CODE	Tube	CODE	Tube
612	12/2	619	16/1.5
614	14/2	620	20/2
616	16/2		
618	18/2		

## EMPTY HOUSING

To fill open spaces for a continuous installation.

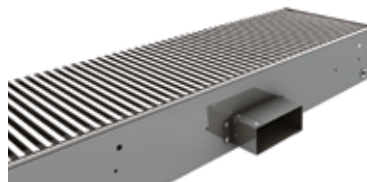


- aluminium or Designo wooden grille
- casing with stainless steel grille support
- height adjustment: Clima Canal 8.5 x 13.3 cm
- fine adjustment for alignment with the finished floor
- cover plate

ORDERING CODE		code CLCD.	height 008	length 072	width 18	grille BNA
H	L	BNA	BNC/XXX	BOV	BBV	
008	072	503	581	554		
	108	775	891	854		
	144	891	1024	979		
	180	1006	1158	1108		

## MOUNTED SPIGOT CONNECTOR FOR AIR SUPPLY CHANNEL

Height 4 x length 9 cm



CODE	€
/VEN	80

Add /VEN to the code of Clima Canal.  
Example: CLCM. 008 072 18 /XXX /VEN

## CORNER PIECE



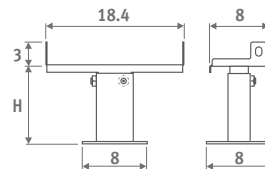
- aluminium grille natural or lacquered
- casing with stainless steel grille support
- height adjustment: Clima Canal 8.5 x 13.3 cm
- Clima Canal Hybrid 9.8 x 14.6 cm
- fine adjustment for alignment with the finished floor

### Corner piece Clima Canal

CODE		€
CLCD.008 025 18/BNA	Alu. natural	665
CLCD.008 025 18/BNC/ ...	Alu. lacquered	825

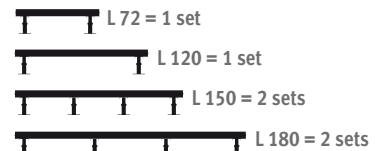
enter colour code

## FEET WITH HEIGHT ADJUSTMENT FOR RAISED FLOORS



- lacquered in dark grey RAL 7024.
- easy installation by means of screws
- 1 set includes 2 height adjusting controls

### Number of sets per Clima Canal



CODE	H	€/set
5209.05070000	5 > 7 cm	73
5209.08130000	8 > 13 cm	73
5209.13230000	13 > 23 cm	76
5209.20300000	20 > 30 cm	78

**jaga**

CLIMATE DESIGNERS



More products or info  
see [www.jaga.com](http://www.jaga.com)



HEATING,  
LIGHT AND DEEP COOLING



***Boost***  
***into the future***



## **WALL HORIZONTAL**

Briza 12	p. 266
Briza 22	p. 284
Brise	p. 286

## **WALL BUILT-IN**

Briza 12 Built-in	p. 266
Briza 22 Built-in	p. 284

## **FLOOR FREESTANDING**

Freedom Clima	p. 298
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## **FLOOR BUILT-IN**

Clima Canal 10	p. 302
Clima Canal 13	p. 302
Clima Canal 19	p. 302

## **CEILING SURFACE-MOUNTED**

Briza 12	p. 266
Briza 22	p. 284
Brise	p. 286

## **CEILING RECESSED**

Briza 12	p. 266
Briza 22	p. 284

# jaga

CLIMATE DESIGNERS

## BRIZA 12

Compact and quiet fan convector in a slim design or for built-in installation

**Briza 12 is the best solution if you want to combine power with a sleek design.**

**Jaga Briza fan convectors ensure the highest climate comfort while being energy-efficient and whisper-quiet. They bring every room up to temperature very quickly, both in winter and in summer. This way you can enjoy an ideal indoor climate year-round.**

- Also for residential projects
- Built-in EC motor for a much lower energy consumption and a longer service life
- Suitable for connection to any heat source
- Ideal in combination with heat pumps and low temperature systems
- Optimized cooling capacity due to the new hydrophilic protection of the copper-aluminum coil.
- With built-in room thermostat or controllable via the latest home automation systems
- For 2-pipe or 4-pipe
- Also available in a ceiling model or for in-wall or in-ceiling installation

Suitable for non-condensing and condensing cooling



jaga  
QUALITY  
MADE IN BELGIUM





BRIZA 12



# BRIZA 12 ▪ PLUG & PLAY

## BRIZA PLUG & PLAY: QUALITY IN EVERY DETAIL

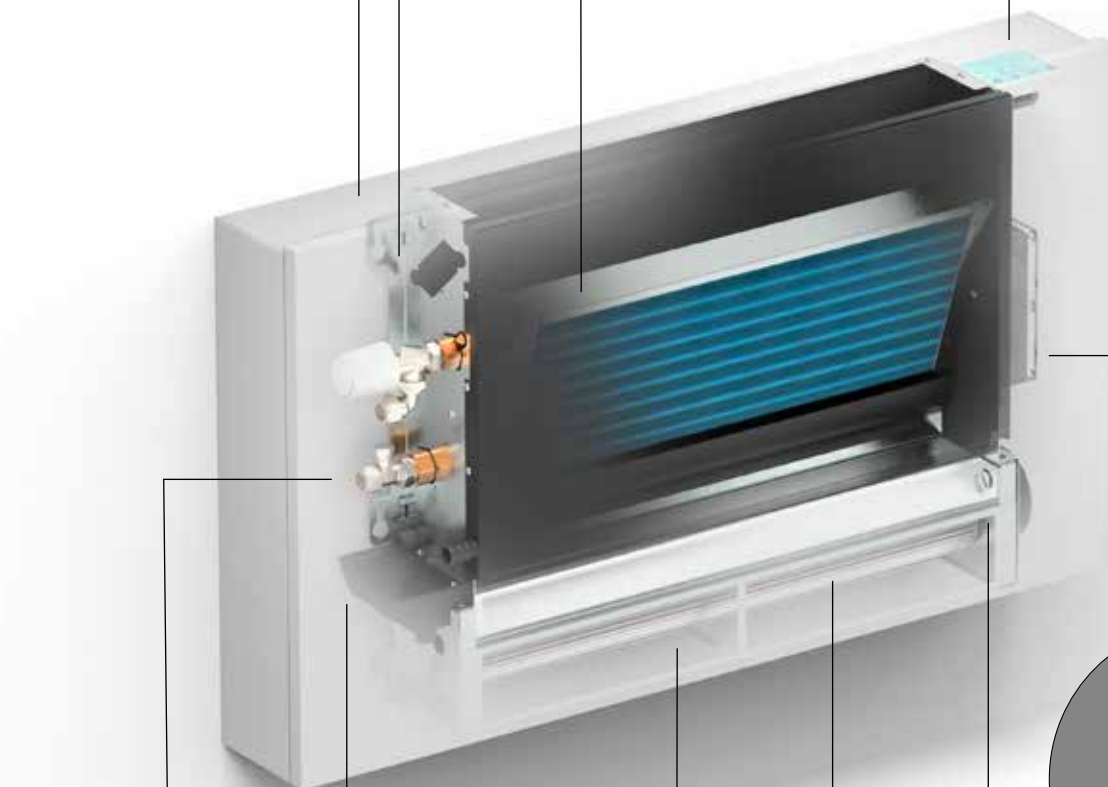
Heat exchanger with hydrophilic coating for optimum cooling performance

Sturdy casing manufactured from electro-galvanised steel

aluminum top grille, in the color of the device



Wi-Fi thermostat with touchscreen and app.\*

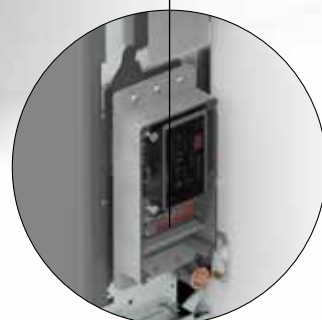


Preassembled connection set for an easy 3/4" Euroconus connection. \*

Metal condensate tray with epoxy-polyester coating

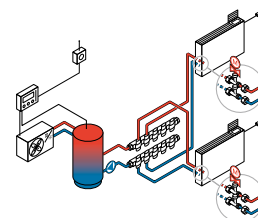
Stainless steel air filter

Tangential activators with aluminium fins are provided with ball bearings and resin-coated EPDM vibration damping



Integrated 230 V power supply, with clamp connector. \*

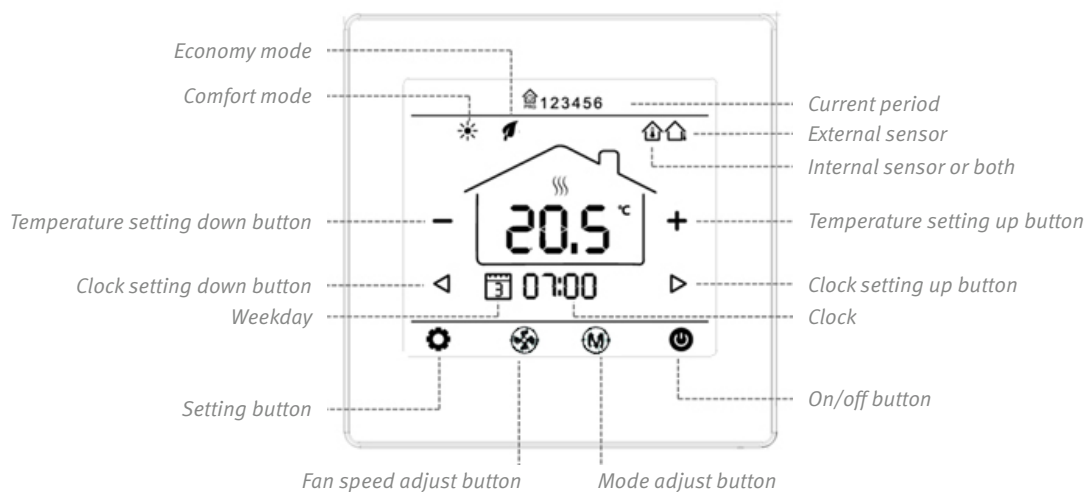
Built-in EC motor for a much lower energy consumption and a longer service life



Installation scheme see p. 280

\* Version Plug & play

# EASY TO CONTROL WITH THE NEW WI-FI THERMOSTAT



The thermostat and accompanying app enable the creation of a comfortable climate for each individual room. Operation can be done via the LCD touchscreen with background lighting (1) or via the app (2). Easily add different devices (3). Manual selection of the ideal temperature (4) & (5) Program your weekly program(6).

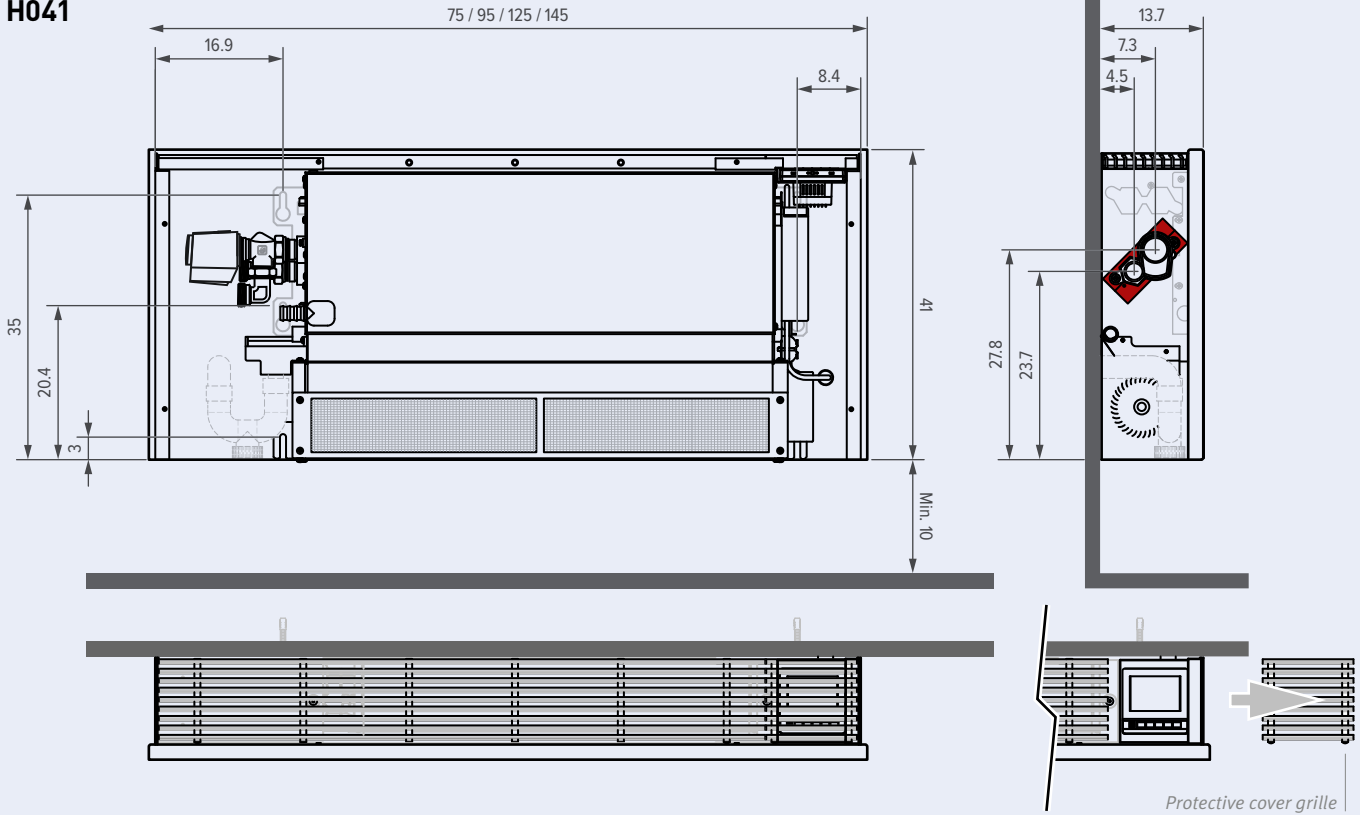


# BRIZA 12 ■ PLUG & PLAY

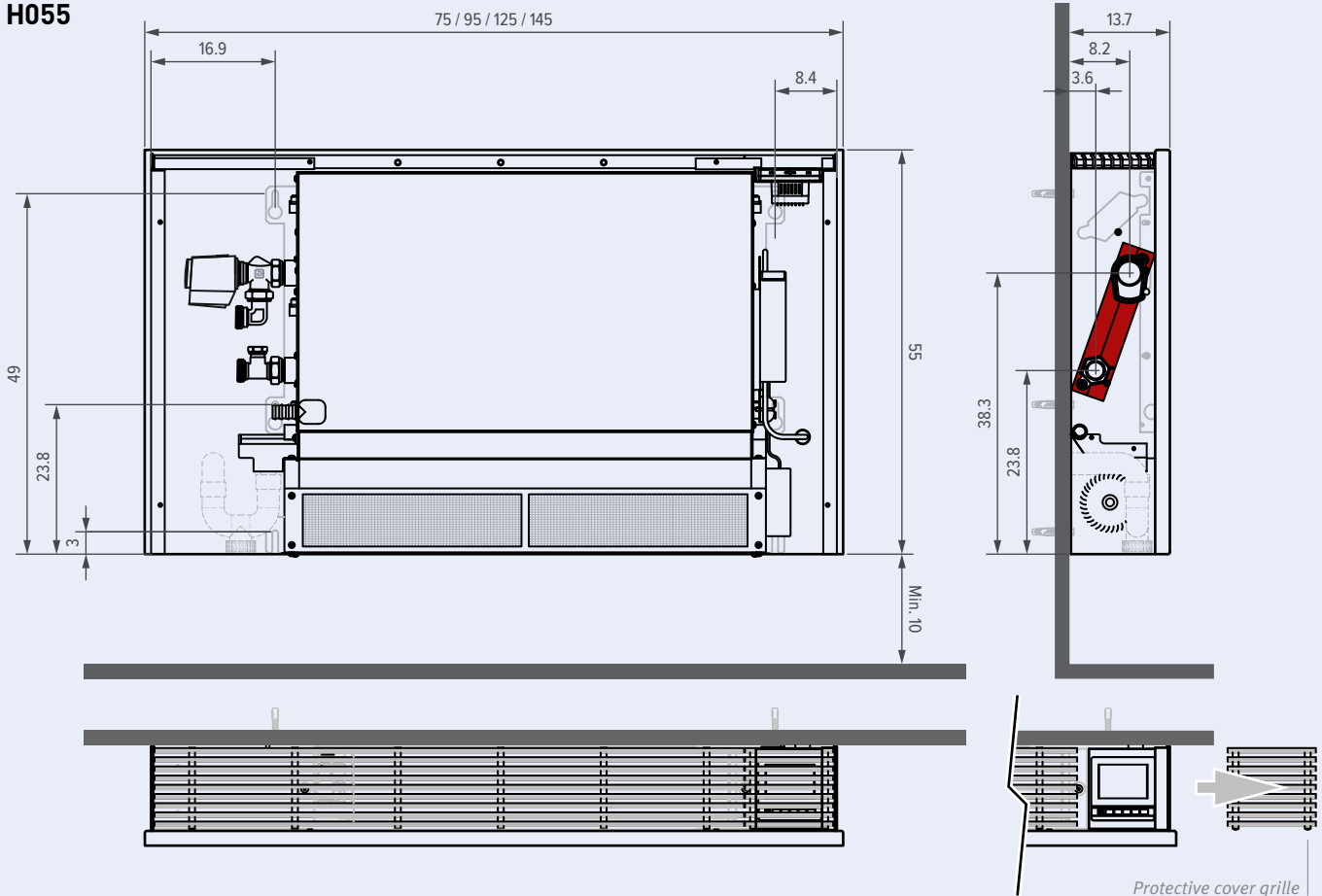
DIMENSIONS (in cm)

Completely preassembled devices with built-in power supply 24 VDC, WIFI-thermostat and valves

## H041



## H055



## STANDARD DELIVERY

- Integrated Wi-Fi thermostat with LCD touchscreen and app
- Integrated power supply 230 VAC > 24 VDC
- Integrated 24 VDC two-way valve connection with 3/4" Euroconus hydraulic connections on the left.
- Coating made from sendzimir galvanized steel plate with an aluminum grille in the same color.
- Sturdy casing manufactured from electro-galvanized steel
- Stainless steel air filter
- Condensate drain for deep cooling Ø 20mm
- Copper-aluminum 2-pipe hydrophilic coated heat exchanger, G1/2" F.
- EC fans with dustproof ball bearings and vibration damping.
- Order sleeve couplings 3/4" Eurocone separate


## CONNECTION

Standard connection:  
3/4" Euroconus hydraulic connections on the left

## COLOUR

traffic white RAL 9016 (133), soft touch lightly structured satin powder coating

All technical information  
Go to [jaga.com](http://jaga.com)

DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL Room temperature 27°C		COOLING SENSIBLE Room temperature 27°C	COOLING (NON-CONDENSING) Room temperature 27°C	SOUND PRESSURE* dB(A)	AIR FLOW m³/h	ELECTRIC POWER CONSUMPTION Watts	STANDARD COLOURS €	 <b>2-PIPE</b>
H cm	L cm	T cm		U V	75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	7/12 Watts	7/12 Watts	16/18 Watts					
041	075	12	2	903	538	355	223	284	201	115	18.5	70	1.6	1514	BZMP.041 075 12.133 /20	
			4	1035	617	406	256	328	235	135	29.4	111	2.6			
			6	1194	712	469	296	382	276	159	31.3	155	4.3			
			8	1399	834	550	346	441	323	185	37.3	196	7.2			
			10	1669	996	656	413	503	373	214	42.5	235	13.0			
095	12	12	2	1545	921	607	382	472	334	191	24.0	119	2.5	1595	BZMP.041 095 12.133 /20	
			4	1699	1014	668	421	529	379	217	30.0	189	4.3			
			6	1797	1072	706	445	607	440	252	36.8	245	7.2			
			8	2243	1338	881	555	707	518	297	41.5	315	11.5			
			10	2749	1640	1080	680	828	614	352	44.5	380	18.0			
125	12	12	2	2431	1450	955	602	773	547	313	24.6	160	2.6	1825	BZMP.041 125 12.133 /20	
			4	2717	1620	1067	672	845	605	347	30.2	243	4.8			
			6	3090	1843	1214	765	953	691	396	37.0	328	8.0			
			8	3617	2157	1421	895	1106	811	465	42.5	419	14.0			
			10	4367	2604	1715	1081	1314	974	559	47.0	492	24.0			
145	12	12	2	2999	1788	1178	742	1015	718	412	25.7	190	2.8	1908	BZMP.041 145 12.133 /20	
			4	3401	2028	1336	842	1097	785	450	30.5	295	5.5			
			6	3894	2323	1530	964	1215	881	505	37.3	410	10.3			
			8	4551	2714	1788	1126	1390	1019	584	43.0	512	18.5			
			10	5444	3247	2138	1347	1640	1216	698	47.0	560	28.8			
055	075	12	2	1400	835	550	346	419	296	170	19.2	89	2.0	1763	BZMP.055 075 12.133 /20	
			4	1701	1014	668	421	521	373	214	25.2	130	3.2			
			6	2000	1193	786	495	617	447	256	32.2	169	5.5			
			8	2295	1369	902	568	705	517	296	38.1	212	9.6			
			10	2588	1544	1017	641	781	579	332	42.5	250	16.8			
095	12	12	2	2250	1342	884	557	728	515	295	23.0	127	2.2	1886	BZMP.055 095 12.133 /20	
			4	2781	1658	1092	688	872	624	358	27.8	193	3.6			
			6	3309	1973	1300	819	1025	743	426	34.4	262	5.7			
			8	3816	2276	1499	944	1171	859	492	39.9	320	9.6			
			10	4285	2555	1683	1060	1294	959	550	43.5	365	15.6			
125	12	12	2	3561	2124	1399	881	1170	827	474	23.1	168	2.8	2189	BZMP.055 125 12.133 /20	
			4	4420	2636	1736	1094	1387	993	569	29.1	259	5.4			
			6	5280	3149	2074	1307	1628	1179	676	36.5	353	10.0			
			8	6097	3637	2395	1509	1863	1365	783	42.5	437	18.0			
			10	6831	4074	2683	1690	2062	1529	877	46.5	513	28.8			
145	12	12	2	4509	2689	1771	1116	1455	1029	590	25.0	200	2.8	2328	BZMP.055 145 12.133 /20	
			4	5525	3295	2170	1367	1728	1237	709	30.8	297	5.5			
			6	6588	3929	2588	1630	2030	1471	843	37.5	396	10.0			
			8	7615	4542	2991	1884	2324	1704	977	42.8	500	18.0			
			10	8526	5085	3349	2110	2575	1910	1095	46.5	583	28.8			

Output measured in accordance with EN16430

\*Schallmessung nach ISO 3741:2010, 2 m von das Gerät entfernt und bei einer angenommenen Raumdämpfung von 8 dB(A) / Rauminhalt 100 m³ / Nachschallzeit 0.5 sec.

# BRIZA 12 - BASIC - WITH CASING

## BZBW INSTALLATION IN A WALL RECESS

## BZBC BUILT-IN CEILING

Hydraulic connection  
2-pipe 1/2"  
4-pipe 1/2"

Sturdy casing manufactured  
from electro-galvanised steel

Heat exchanger with hydrophilic  
coating for optimum cooling  
performance

Metal condensate tray with  
epoxy-polyester coating

Tangential fans



Electrical connection



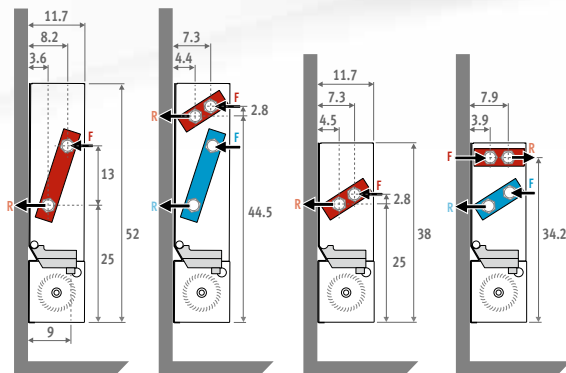
EC motor 24 VDC

Stainless steel air filter

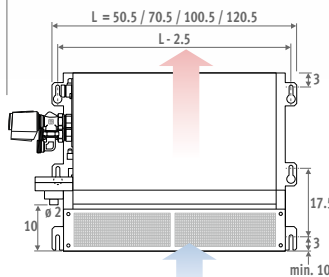
Mounting of the fan blade using  
dust/oil-free ball bearings

## DIMENSIONS (in cm)

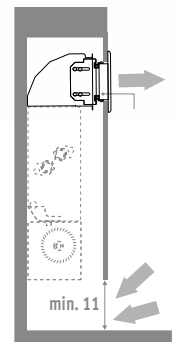
H 52 / 2-pipe    H 52 / 4-pipe    H 38 / 2-pipe    H 38 / 4-pipe



Option connection set for  
2-pipe or 4-pipe



Built-in model with air outlet corner piece

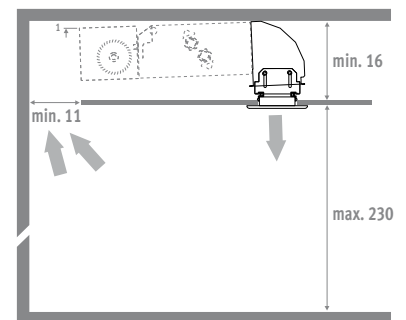
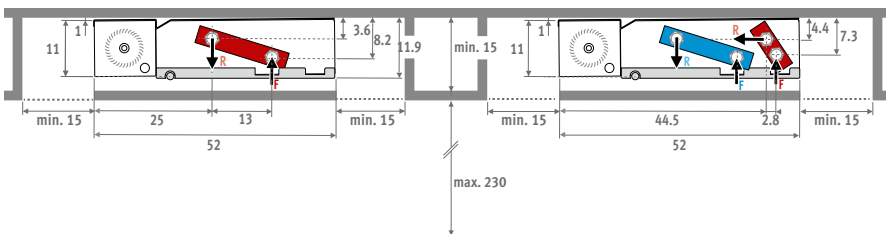


## BUILT-IN CEILING (in cm)

H 52 / 2-pipe

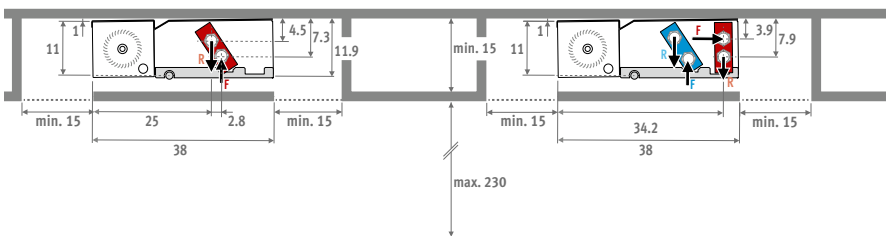
H 52 / 4-pipe

Built-in model with air outlet corner piece



H 38 / 2-pipe

H 38 / 4-pipe

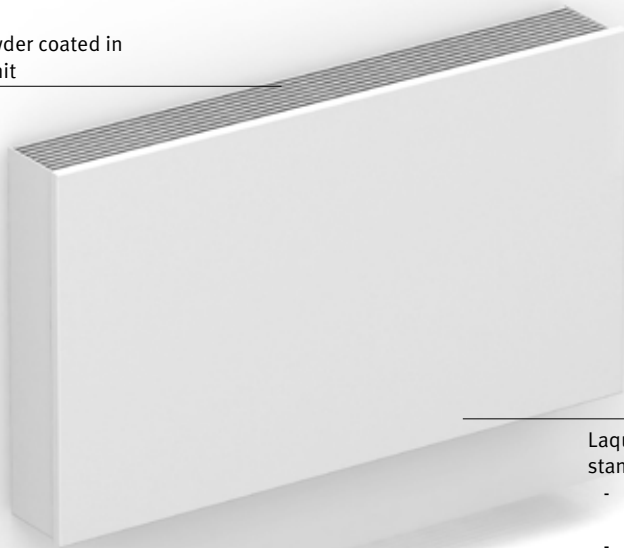




# WITH CASING (BZMW - BZMC) - BASIC - BRIZA12

## BZMW WALL MOUNTED MODEL

aluminium top grille, powder coated in the same colour as the unit



## BZMC CEILING MOUNTED MODEL



Laquered casing in sendzimir galvanized steel plate standard colours:

- traffic white RAL 9016 (133), soft touch lightly structured satin powder coating
- sandblast grey (001), fine texture metallic powder coating
- off-black (145), soft touch lightly-textured satin lacquer

Other colours: see colour chart

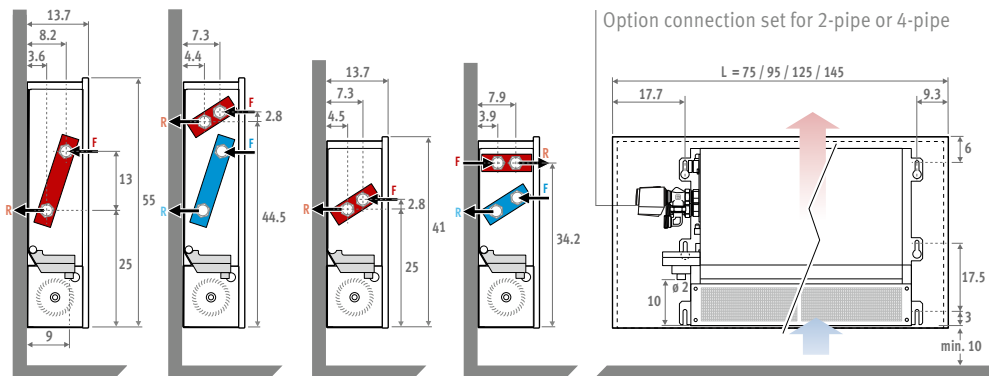
### DIMENSIONS (in cm)

H 55 / 2-pipe

H 55 / 4-pipe

H 41 / 2-pipe

H 41 / 4-pipe

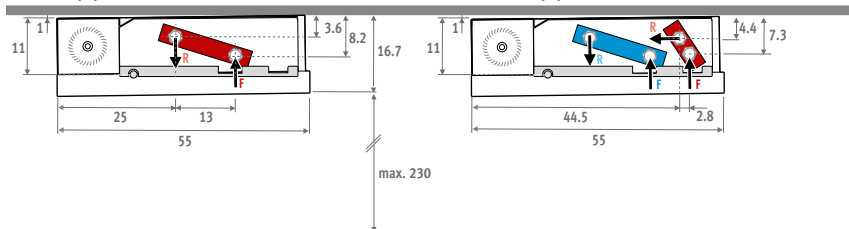


F: Supply  
R: Return  
3/4" Eurocone

### CEILING MOUNTED MODEL (in cm)

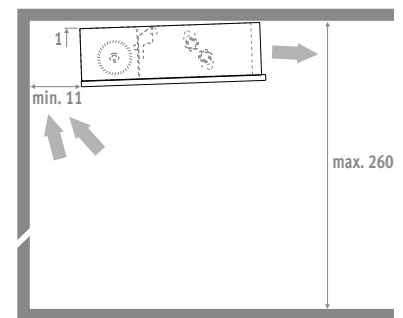
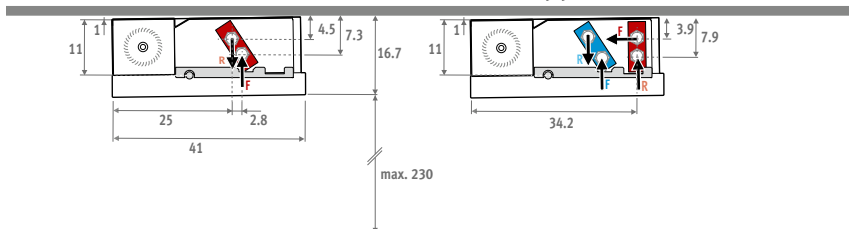
H 55 / 2-pipe

H 55 / 4-pipe



H 41 / 2-Rohr

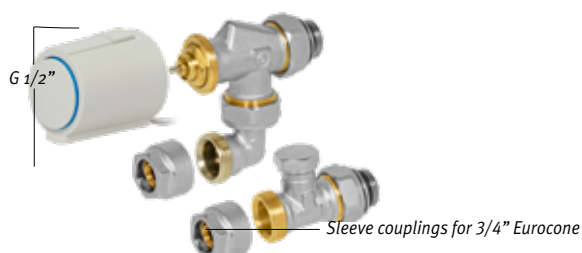
H 41 / 4-pipe



# BRIZA 12 BASIC - OPTIONS

## 1. CONNECTION SETS

### OPTION 1: CONNECTION SET 24 VDC



- thermo-electrical motor 24 VDC 0-10V oder 24VDC
- valve 3/4" Eurocone 90°
- lockshield 3/4" Eurocone 180°

Set  
**295**

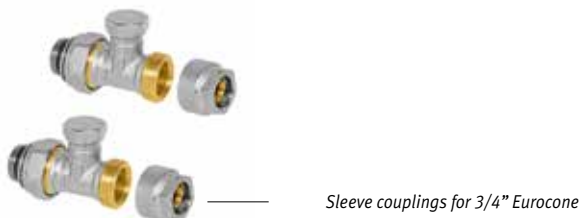
Kv max. 0.6

**TWO PIPE**

€

CODE	Output Watts	Output current A	Surcharge €
CODY.SC5.10.4...	10 VDC	228	
CODY.SC5.24.4...	24 VDC	132	

### OPTION 2: CONNECTION SET WITH 2 LOCKSHIELDS 180°



Set  
**290**

CODY.LOC.00.4...

€

74

## SLEEVE COUPLINGS EUROCONE

### Precision metal tube

CODE	Tube
112	12/1
114	14/1
115	15/1
116	16/1
118	18/1

### Synthetic or RPE/ALU tube

CODE	Tube	CODE	Tube
612	12/2	619	16/1.5
614	14/2	620	20/2
616	16/2		
618	18/2		

## 2. POWER SUPPLY

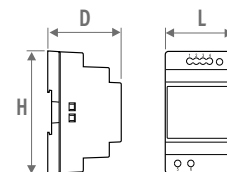
### OPTION 1: POWER SUPPLY IN THE DEVICE

- With waterproof cable gland
- CONFORMITY: UL1310 - EN 60950-1 / CLASS 2
- Output voltage 24 VDC
- Input voltage 100 - 240 VAC
- Dimensions L 14.5 x B 4.5 x H 3.0 cm

CODE	Output Watts	Output current A	Surcharge €
/P	40	1.67	119



### OPTION 2: POWER SUPPLY DIN-RAIL MONTAGE



CODE	H	L	D
7990.054	9.0	3.5	5.9
7990.055	9.0	5.3	5.9
7990.056	9.0	7.0	5.9
7990.057	9.0	10.3	5.9

The guarantee is only valid if the original Jaga power supply is used.

- For DIN-rail- or wall mounting
- Conformity: UL60950 / UL508 / IEC 60950-1 / TUV EN61558-2-16 / Class 2
- Output voltage 24 VDC
- Input voltage 100 - 240 VAC
- Screw connection
- LED indicator

#### MAXIMUM CABLE LENGTH

Maximum cable length in function of the number of devices.  
see [jaga.com](http://jaga.com)

CODE	Output Watts	Output current A	€
7990.054	36	1.5	48
7990.055	60	2.5	65
7990.056	92	3.9	93
7990.057	150	6.25	187

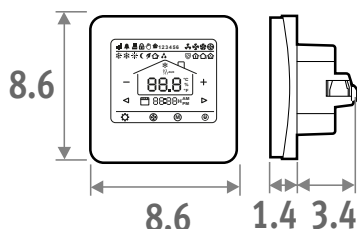
Required power = sum of the power consumption of the devices

## 3. THERMOSTATS

### OPTION 1: JRT-100TW

**NEW: WI-FI THERMOSTAT WITH TOUCH-SCREEN AND APP.**

Control per room for one or multiple devices



- Jaga clock thermostat for recessed/panel mounting
- Fan speed: 4V/6V/10V or auto
- power supply voltage 24 VDC  
Combine with power supply 2.1 or 2.2.
- Output(s) control signal 0-10 VDC
- Programmable zones
- Protection category IP30



Touchscreen



WiFi



App

- LCD touchscreen with background lighting
- control via WIFI (smartphone app)
- programmable time zones 7 days (1-7)
- Control valves 24 VDC heating/cooling
- Thermostat to be mounted in a junction box
  - Spacing holes at 6 cm
  - Minimum depth 4.5 cm
  - inner dimension 5 x 5 cm or Ø 6 cm

CODE			€
8751.050017	Built-in	White	177
8751.050019	Built-in	Black	177



JRT-200



JRT-100



Siemens clock thermostat

Technical data: see [jaga.com](http://jaga.com)

## 4. PRODUCT CONTROLLERS

Recommended if temperature monitoring is required. The fans will never run unless the water temperature is below 18 ° C in cooling mode, or above 28 ° C in heating mode.

### OPTION 1:

#### JAGA DYNAMIC PRODUCT CONTROLLER

The Jaga Dynamic Product Controller is delivered pre-set and mounted in the unit and must therefore be ordered together with the device.



#### WHAT DOES THE JDPC DO?

- Control per appliance
- Control with sensor for water temperature, pre-configured and assembled by Jaga
- Heating/cooling/standby with automatic switch (temporary manual adjustment is possible: contact Jaga for more information)
- 0-10 V input for building management system/thermostats
- Only for 2 pipe wall mounted model with casing
- Power supply voltage 24 VDC

*Delivered preassembled and must therefore be ordered together with the device!*

CODE		Surcharge €
DPC.BR72	Heating and cooling	103

### OPTION 2: JAGA DYNAMIC PRODUCT CONTROLLER WITH CONTROL PANNEL



#### WHAT DOES THE JDPC DO?

- Control with touch operation and sensors for water and room temperature, pre-configured and assembled by Jaga
- Heating/cooling/standby with automatic switch (temporary manual adjustment is possible: contact Jaga for more information)
- Control:
  - o Standby
  - o Heating: 3 speeds  
(Operates at water temperature > 28°C, can easily be modified)
  - o Cooling: 3 speeds  
(Operates at water temperature < 18°C, can easily be modified)
- Indication of operating mode by LED's
- Only for 2 pipe wall mounted model with casing
- power supply voltage 24 VDC

*Delivered preassembled and must therefore be ordered together with the device!*

CODE		Surcharge
DPC.BRC6	Heating and cooling	130

# BRIZA 12 ■ WITH CASING 2-PIPE

## STANDARD DELIVERY

- Laquered casing in sendzimir galvanized steel plate with aluminium top grille
- standard colours:
  - traffic white RAL 9016 (133), Soft touch sanft strukturierte Seidenglanzausführung
  - sandblast grey (001), fine texture metallic powder coating
  - off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%
- Other colours: see colour chart
- tangential activators with aluminium fins, ball bearings and resin-coated EPDM vibration damping
- Stainless steel air filter
- Condensation tray with drain
- Copper-aluminum 2-pipe hydrophilic coated heat exchanger, G1/2" F.
- Sturdy casing manufactured from electro-galvanised steel

## CONNECTION

- Standard connection:
- Hydraulic connection 3/4" Eurocone left
  - Clamp connector for electric connection 24 VDC, to connect via an external power supply, on the right hand side.
- Other connection:
- Hydraulic right, electric left:  
Connection code /70 instead of /20  
No surcharge



**BZMC** Ceiling mounted model



**BZMW** Wall mounted model

DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C	COOLING Non-condensing ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CONSUMPTION	STANDARD COLOURS	OTHER COLOURS	2-PIPE
H	L	T		U	75/65	55/45	45/35	35/30	7/12	7/12	16/18						
cm	cm	cm	V	Watts	Watts	Watts	Watts	Watts	Watts	Watts							
041	075	12	2	903	542	353	223	285	202	115	19	70	2	878	1191	BZMW.041 075 12.XXX /20	
			4	1035	621	405	255	329	236	135	29	111	3				
			6	1194	717	468	295	383	277	159	31	155	4				
			8	1399	840	548	345	443	325	185	37	196	7				
			10	1669	1002	654	412	505	375	214	43	235	13				
095	12	12	2	1545	927	605	381	473	335	191	24	119	3	959	1272	BZMW.041 095 12.XXX /20	
			4	1699	1020	665	419	531	380	217	30	189	4				
			6	1797	1078	704	443	609	442	252	37	245	7				
			8	2243	1346	878	553	709	520	297	42	315	12				
			10	2749	1650	1076	678	831	617	352	45	380	18				
125	12	12	2	2431	1458	952	599	776	548	313	25	160	3	1188	1501	BZMW.041 125 12.XXX /20	
			4	2717	1630	1064	670	848	607	347	30	243	5				
			6	3090	1854	1210	762	957	693	396	37	328	8				
			8	3617	2170	1416	892	1110	814	465	43	419	14				
			10	4367	2620	1710	1077	1318	978	559	47	492	24				
145	12	12	2	2999	1799	1174	740	1018	720	412	26	190	3	1273	1586	BZMW.041 145 12.XXX /20	
			4	3401	2041	1332	839	1101	788	450	31	295	6				
			6	3894	2337	1525	960	1220	884	505	37	410	10				
			8	4551	2731	1782	1122	1395	1023	584	43	512	19				
			10	5444	3266	2131	1343	1646	1221	698	47	560	29				
055	075	12	2	1400	840	548	345	420	297	170	19	89	2	1127	1440	BZMW.055 075 12.XXX /20	
			4	1701	1021	666	420	523	374	214	25	130	3				
			6	2000	1200	783	493	620	449	256	32	169	6				
			8	2295	1377	899	566	708	519	296	38	212	10				
			10	2588	1553	1013	638	784	581	332	43	250	17				
095	12	12	2	2250	1350	881	555	730	517	295	23	127	2	1249	1562	BZMW.055 095 12.XXX /20	
			4	2781	1668	1089	686	875	626	358	28	193	4				
			6	3309	1985	1295	816	1029	746	426	34	262	6				
			8	3816	2290	1494	941	1176	862	492	40	320	10				
			10	4285	2571	1678	1057	1298	963	550	44	365	16				
125	12	12	2	3561	2136	1394	878	1174	830	474	23	168	3	1555	1869	BZMW.055 125 12.XXX /20	
			4	4420	2652	1731	1090	1391	996	569	29	259	5				
			6	5280	3168	2067	1302	1634	1183	676	37	353	10				
			8	6097	3658	2387	1504	1869	1370	783	43	437	18				
			10	6831	4098	2674	1685	2069	1535	877	47	513	29				
145	12	12	2	4509	2705	1765	1112	1460	1033	590	25	200	3	1694	2008	BZMW.055 145 12.XXX /20	
			4	5525	3315	2163	1363	1734	1242	709	31	297	6				
			6	6588	3953	2579	1625	2037	1476	843	38	396	10				
			8	7615	4569	2981	1878	2332	1710	977	43	500	18				
			10	8526	5115	3338	2103	2584	1917	1095	47	583	29				

Output measured in accordance with EN16430

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

BZMW (Wall mounted model)  
BZMC (Ceiling mounted model)

enter colour code

# WITH CASING 4-PIPE BRIZA 12

## STANDARD DELIVERY

- Laquered casing in sendzimir galvanized steel plate with aluminium top grille
- standard colours:
  - traffic white RAL 9016 (133), soft touch lightly structured satin powder coating
  - sandblast grey (001), fine texture metallic powder coating
  - off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%
- Other colours: see colour chart
- tangential activators with aluminium fins, ball bearings and resin-coated EPDM vibration damping
- Stainless steel air filter
- Condensation tray with drain
- Copper-aluminum 2-pipe hydrophilic coated heat exchanger, G1/2" F.
- Second heat exchanger, G1/2" F
- Sturdy casing manufactured from electro-galvanised steel

## CONNECTION

- Standard connection:
- Hydraulic connection 3/4" Eurocone left
  - Clamp connector for electric connection 24 VDC, to connect via an external power supply, on the right hand side.
- Other connection:
- Hydraulic right, electric left:  
Connection code /70 instead of /20  
No surcharge.



**BZMC** Ceiling mounted model



**BZMW** Wall mounted model

DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL RAUMTEMPERATUR 27°C		COOLING SENSIBLE RAUMTEMPERATUR 27°C	COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CONSUMPTION	STANDARD COLOURS	OTHER COLOURS	4-PIPE
H	L	T		U	75/65	55/45	45/35	35/30	7/12	7/12	16/18						
cm	cm	cm	V	Watts	Watts	Watts	Watts	Watts	Watts	Watts							
041	075	12	2	698	419	273	172	229	162	92	19	32	2	1017	1330	BZMW.041 075 12.XXX /4/20	
			4	840	504	329	207	267	191	109	29	67	3				
			6	948	569	371	234	310	224	128	31	95	5				
			8	1120	672	438	276	355	260	149	37	128	8				
			10	1336	802	523	330	403	299	171	43	157	14				
095	12	12	2	1211	726	474	299	365	258	148	24	57	2	1117	1431	BZMW.041 095 12.XXX /4/20	
			4	1349	810	528	333	432	309	177	30	101	3				
			6	1529	918	599	377	493	357	204	37	158	6				
			8	1797	1078	704	443	566	415	237	42	213	8				
			10	2200	1320	861	543	664	493	282	45	252	14				
125	12	12	2	1924	1155	753	475	594	420	240	25	80	2	1418	1732	BZMW.041 125 12.XXX /4/20	
			4	2163	1298	847	533	676	484	276	30	164	4				
			6	2470	1482	967	609	767	556	318	37	242	7				
			8	2896	1738	1134	714	887	651	372	43	305	13				
			10	3492	2095	1367	861	1055	782	447	47	400	21				
145	12	12	2	2380	1428	932	587	720	509	291	26	98	3	1532	1846	BZMW.041 145 12.XXX /4/20	
			4	2722	1633	1066	671	843	603	345	31	174	5				
			6	3119	1872	1221	769	967	701	400	37	249	9				
			8	3641	2185	1426	898	1118	819	468	43	318	17				
			10	4355	2613	1705	1074	1316	976	558	47	420	29				
055	075	12	2	610	366	239	150	341	241	138	19	30	2	1229	1543	BZMW.055 075 12.XXX /4/20	
			4	696	418	272	172	398	285	163	25	74	2				
			6	778	467	305	192	466	337	193	32	118	4				
			8	923	554	361	228	533	390	223	38	151	6				
			10	1102	661	431	272	588	436	249	43	188	10				
095	12	12	2	1000	600	391	247	557	394	225	23	79	2	1377	1690	BZMW.055 095 12.XXX /4/20	
			4	1115	669	437	275	656	470	268	28	135	3				
			6	1250	750	489	308	767	556	318	34	185	6				
			8	1480	888	579	365	876	643	367	40	251	10				
			10	1813	1088	710	447	973	721	412	44	282	16				
125	12	12	2	1570	942	615	387	868	614	351	23	123	2	1694	2008	BZMW.055 125 12.XXX /4/20	
			4	1798	1079	704	444	1042	746	426	29	201	4				
			6	2040	1224	799	503	1229	890	509	37	286	8				
			8	2399	1440	939	592	1406	1031	589	43	360	13				
			10	2879	1727	1127	710	1551	1151	658	47	423	22				
145	12	12	2	1980	1188	775	488	1130	799	457	25	139	3	1862	2176	BZMW.055 145 12.XXX /4/20	
			4	2245	1347	879	554	1307	935	534	31	251	5				
			6	2565	1539	1004	633	1526	1106	632	38	334	9				
			8	2996	1797	1173	739	1748	1282	732	43	432	16				
			10	3591	2154	1406	886	1935	1435	820	47	508	27				

Output measured in accordance with EN16430

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

BZMW (Wall mounted model) enter colour code  
BZMC (Ceiling mounted model)

# BRIZA 12 ■ BUILT-IN 2-PIPE

## STANDARD DELIVERY

- tangential activators with aluminium fins, ball bearings and resin-coated EPDM vibration damping
- Stainless steel air filter
- Condensation tray with drain
- Copper-aluminum 2-pipe hydrophilic coated heat exchanger, G1/2" F.
- Sturdy casing manufactured from electro-galvanised steel

## CONNECTION

- Standard connection:
- Hydraulic connection 3/4" Eurocone left
  - Clamp connector for electric connection 24 VDC, to connect via an external power supply, on the right hand side.
- Other connection:
- Hydraulic right, electric left:  
Connection code /70 instead of /20  
No surcharge.



**BZBC** Built-in ceiling



**BZBW** Installation in a wall recess

DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C	COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CONSUMPTION	PRICE	2-PIPE
H	L	T		U	75/65	55/45	45/35	35/30	7/12	7/12	16/18					
cm	cm	cm	V	Watts	Watts	Watts	Watts	Watts	Watts	Watts						
038	052	12	2	1000	600	392	247	280	198	113	19	70	2	752	BZBW.038 052 12./20	
			4	1150	690	450	284	348	249	142	25	111	3			
			6	1310	786	513	323	417	302	172	33	155	4			
			8	1530	918	599	377	486	356	203	39	196	7			
			10	1836	1102	719	453	555	412	235	44	235	13			
	072	12	2	1619	971	634	399	489	346	198	22	119	3	818	BZBW.038 072 12./20	
			4	1982	1189	776	489	572	409	234	28	189	4			
			6	2099	1259	822	518	670	485	277	35	245	7			
			8	2461	1476	963	607	784	575	329	41	315	12			
			10	3021	1813	1183	745	914	678	387	45	380	18			
	102	12	2	2604	1562	1020	642	807	571	326	23	160	3	1018	BZBW.038 102 12./20	
			4	3192	1915	1250	787	903	646	369	30	243	5			
			6	3409	2045	1335	841	1043	755	432	38	328	8			
			8	3995	2397	1564	986	1226	898	513	44	419	14			
			10	4799	2879	1879	1184	1450	1075	615	49	492	24			
	122	12	2	3273	1964	1282	808	971	686	392	26	190	3	1088	BZBW.038 122 12./20	
			4	4023	2414	1575	992	1033	739	423	31	295	6			
			6	4297	2578	1683	1060	1271	921	526	38	410	10			
			8	5021	3013	1966	1239	1565	1147	656	44	512	19			
			10	5983	3590	2342	1476	1801	1336	763	48	560	29			
052	052	12	2	1500	900	587	370	462	327	187	21	89	2	973	BZBW.052 052 12./20	
			4	1751	1050	685	432	543	388	222	27	130	3			
			6	2109	1266	826	520	643	466	266	34	169	6			
			8	2400	1440	940	592	756	554	317	40	212	10			
			10	2717	1630	1064	670	823	611	349	44	250	17			
	072	12	2	2465	1479	965	608	790	559	319	22	127	2	1088	BZBW.052 072 12./20	
			4	2931	1759	1148	723	922	660	377	27	193	4			
			6	3499	2099	1370	863	1073	778	444	35	262	6			
			8	4011	2406	1570	989	1226	899	513	41	320	10			
			10	4499	2699	1761	1110	1362	1010	577	45	365	16			
	102	12	2	3895	2337	1525	961	1257	889	508	24	168	3	1355	BZBW.052 102 12./20	
			4	4651	2791	1821	1147	1455	1041	595	30	259	5			
			6	5549	3329	2172	1369	1709	1238	708	38	353	10			
			8	6391	3834	2502	1577	1966	1441	823	44	437	18			
			10	7172	4303	2808	1769	2171	1610	920	48	513	29			
	122	12	2	4652	2791	1821	1148	1550	1096	627	26	200	3	1481	BZBW.052 122 12./20	
			4	5794	3476	2268	1429	1823	1305	746	32	297	6			
			6	6924	4154	2711	1708	2149	1557	890	39	396	10			
			8	7994	4796	3130	1972	2439	1788	1022	45	500	18			
			10	8954	5373	3506	2209	2711	2011	1149	49	583	29			

Output measured in accordance with EN16430

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

BZBW (Installation in a wall recess)  
BZBC (Built-in ceiling)

# BUILT-IN 4-PIPE ■ BRIZA 12

## STANDARD DELIVERY

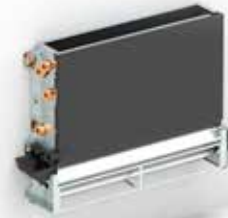
- tangential activators with aluminium fins, ball bearings and resin-coated EPDM vibration damping
- Stainless steel air filter
- Condensation tray with drain
- Copper-aluminum 2-pipe hydrophilic coated heat exchanger, G1/2" F.
- Second heat exchanger, G1/2" F
- Sturdy casing manufactured from electro-galvanised steel

## CONNECTION

- Standard connection:
- Hydraulic connection 3/4" Eurocone left
  - Clamp connector for electric connection 24 VDC, to connect via an external power supply, on the right hand side.
- Other connection:
- Hydraulic right, electric left:  
Connection code /70 instead of /20  
No surcharge



**BZBC** Built-in ceiling



**BZBW** Installation in a wall recess

DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C	COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CONSUMPTION	PRICE	4-PIPE
H	L	T		75/65	55/45	45/35	35/30	7/12	7/12	16/18	dB(A)					
cm	cm	cm	V	Watts	Watts	Watts	Watts	Watts	Watts	Watts						
038	052	12	2	799	480	313	197	248	175	100	19	32	2	891	BZBW.038 052 12./4/20	
			4	918	551	359	226	292	209	119	25	67	3			
			6	1053	632	412	260	339	246	140	33	95	5			
			8	1228	737	481	303	390	286	163	39	128	8			
			10	1468	881	575	362	443	329	188	44	157	14			
	072	12	2	1343	806	526	331	407	288	165	22	57	2	978	BZBW.038 072 12./4/20	
			4	1497	898	586	369	469	336	192	28	101	3			
			6	1681	1009	658	415	537	389	222	35	158	6			
			8	1965	1179	769	485	621	455	260	41	213	8			
			10	2417	1450	946	596	731	542	310	45	252	14			
	102	12	2	2102	1261	823	518	668	472	270	23	80	2	1243	BZBW.038 102 12./4/20	
			4	2395	1437	938	591	744	533	305	30	164	4			
			6	2731	1638	1069	673	841	609	348	38	242	7			
			8	3186	1912	1247	786	974	714	408	44	305	13			
			10	3839	2303	1503	947	1160	860	492	49	400	21			
	122	12	2	2606	1564	1020	643	821	580	332	26	98	3	1349	BZBW.038 122 12./4/20	
			4	2998	1799	1174	739	930	666	380	31	174	5			
			6	3431	2059	1343	846	1057	766	438	38	249	9			
			8	3997	2398	1565	986	1222	896	512	44	318	17			
			10	4787	2872	1874	1181	1444	1071	612	48	420	29			
052	052	12	2	640	384	251	158	354	251	143	21	30	2	1075	BZBW.052 052 12./4/20	
			4	725	435	284	179	414	296	169	27	74	2			
			6	830	498	325	205	491	356	203	34	118	4			
			8	969	582	379	239	554	406	232	40	151	6			
			10	1157	694	453	285	618	458	262	44	188	10			
	072	12	2	1050	630	411	259	577	408	233	22	79	2	1215	BZBW.052 072 12./4/20	
			4	1176	706	461	290	687	492	281	27	135	3			
			6	1314	789	515	324	808	585	334	35	185	6			
			8	1550	930	607	382	925	678	387	41	251	10			
			10	1903	1142	745	469	1022	758	433	45	282	16			
	102	12	2	1650	990	646	407	945	668	382	24	123	2	1494	BZBW.052 102 12./4/20	
			4	1891	1134	740	466	1098	786	449	30	201	4			
			6	2150	1290	842	530	1291	936	535	38	286	8			
			8	2503	1502	980	617	1467	1075	615	44	360	13			
			10	3023	1814	1184	746	1629	1208	690	48	423	22			
	122	12	2	2002	1201	784	494	1151	814	465	26	139	3	1649	BZBW.052 122 12./4/20	
			4	2362	1417	925	583	1372	982	561	32	251	5			
			6	2700	1620	1057	666	1610	1166	666	39	334	9			
			8	3152	1891	1234	777	1839	1348	770	45	432	16			
			10	3769	2261	1476	930	2033	1508	862	49	508	27			

Output measured in accordance with EN16430

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

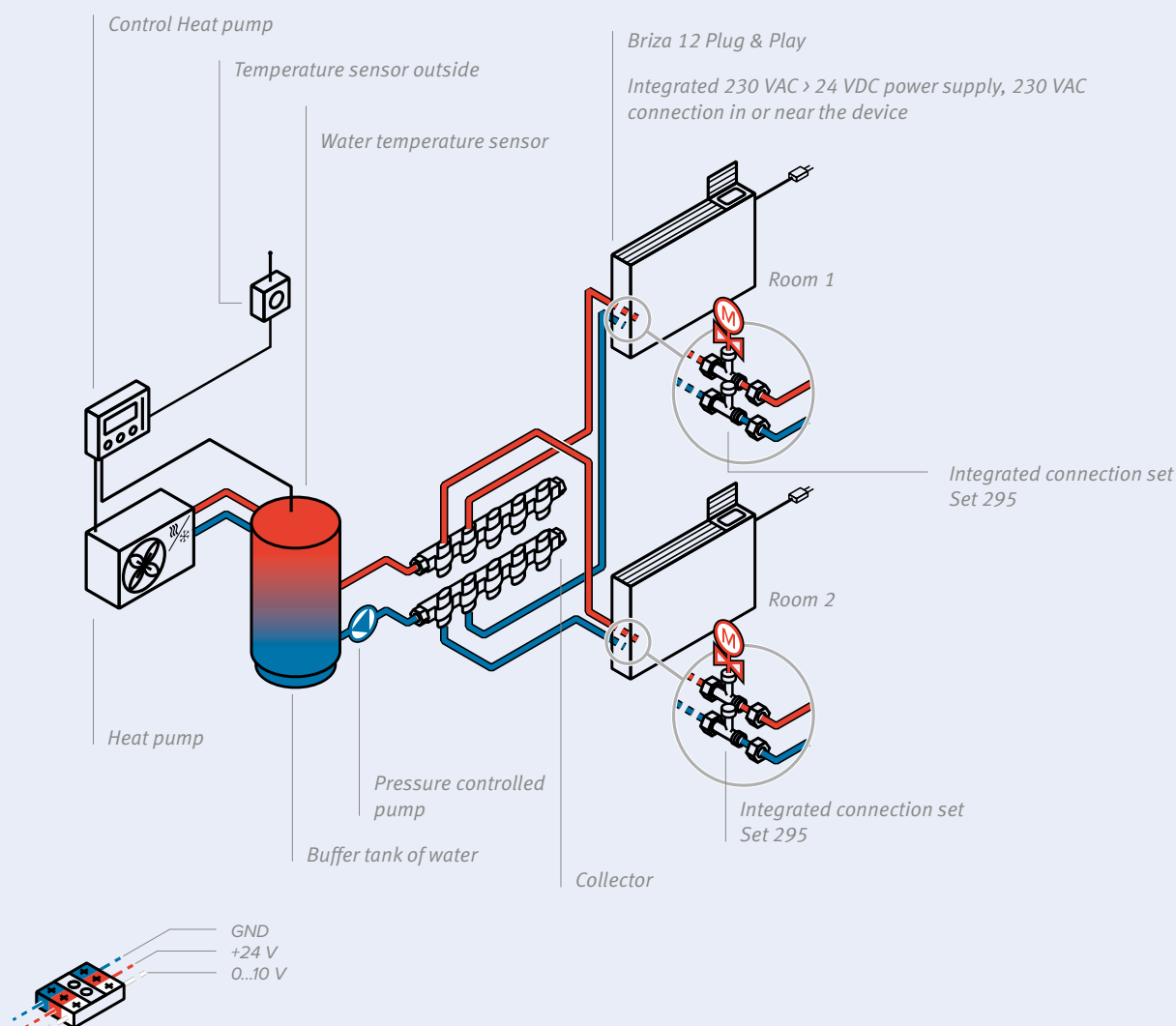
BZBW (Installation in a wall recess)  
BZBC (Built-in ceiling)

# BRIZA 12 ■ INSTALLATION SCHEMES ■ PLUG & PLAY

## Heat pump and Briza Plug & Play with integrated Wi-Fi room thermostat and electrically controlled valves.

Temperature control in every unit/room via the integrated room thermostat. The heat pump works autonomously and supplies water according to the weather conditions.

### Example



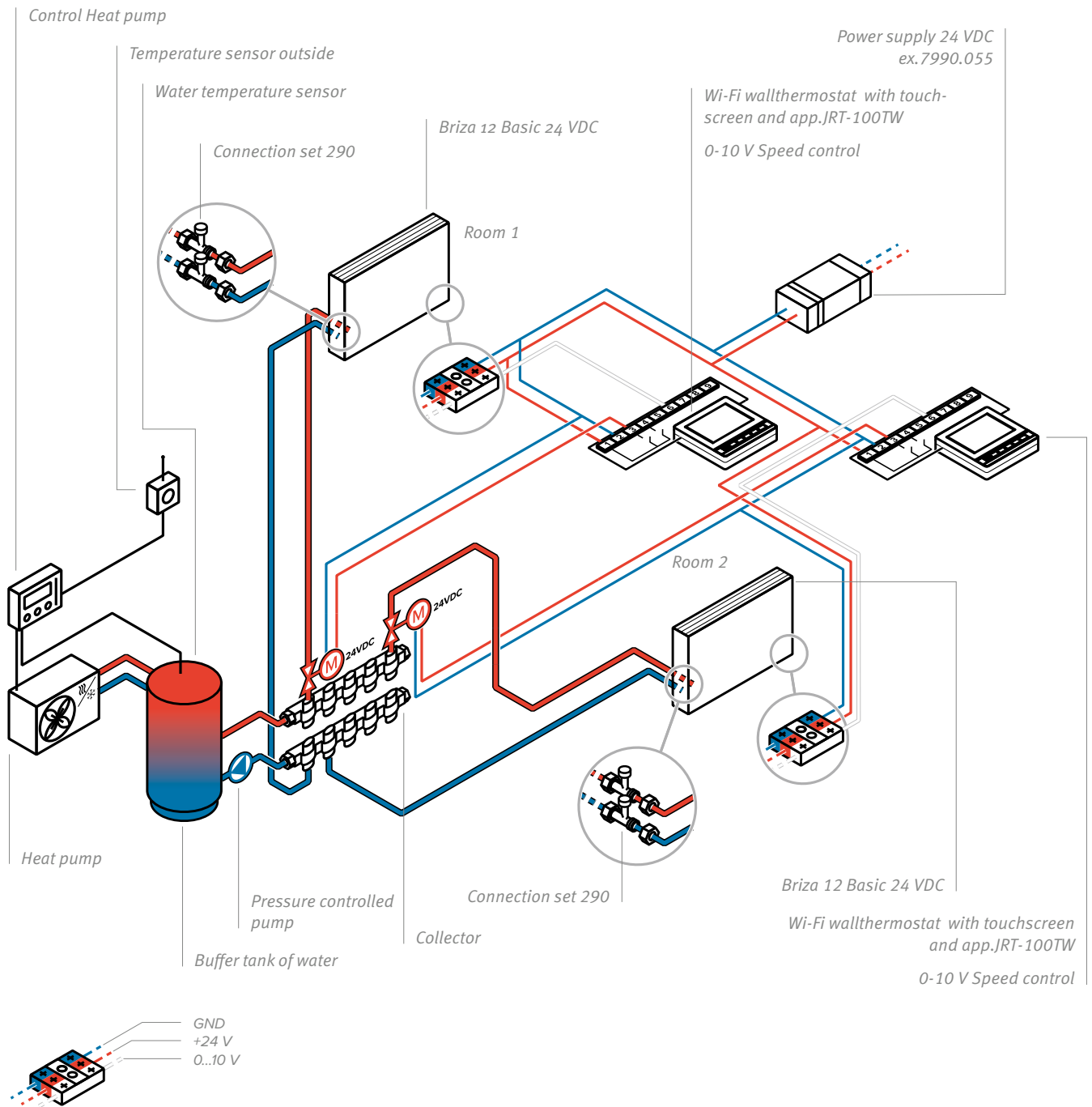


# BASIC ■ INSTALLATION SCHEMES ■ BRIZA 12

## Heat pump and Briza BASIC (24 VDC) with external room thermostat and external fan control.

The external room thermostat manages the Briza's fan speed via a 0-10 V signal and controls the electrically controlled valves on the distributor (open/closed) in order to switch between heating and cooling. The heat pump works autonomously and supplies water according to the weather conditions.

### Example

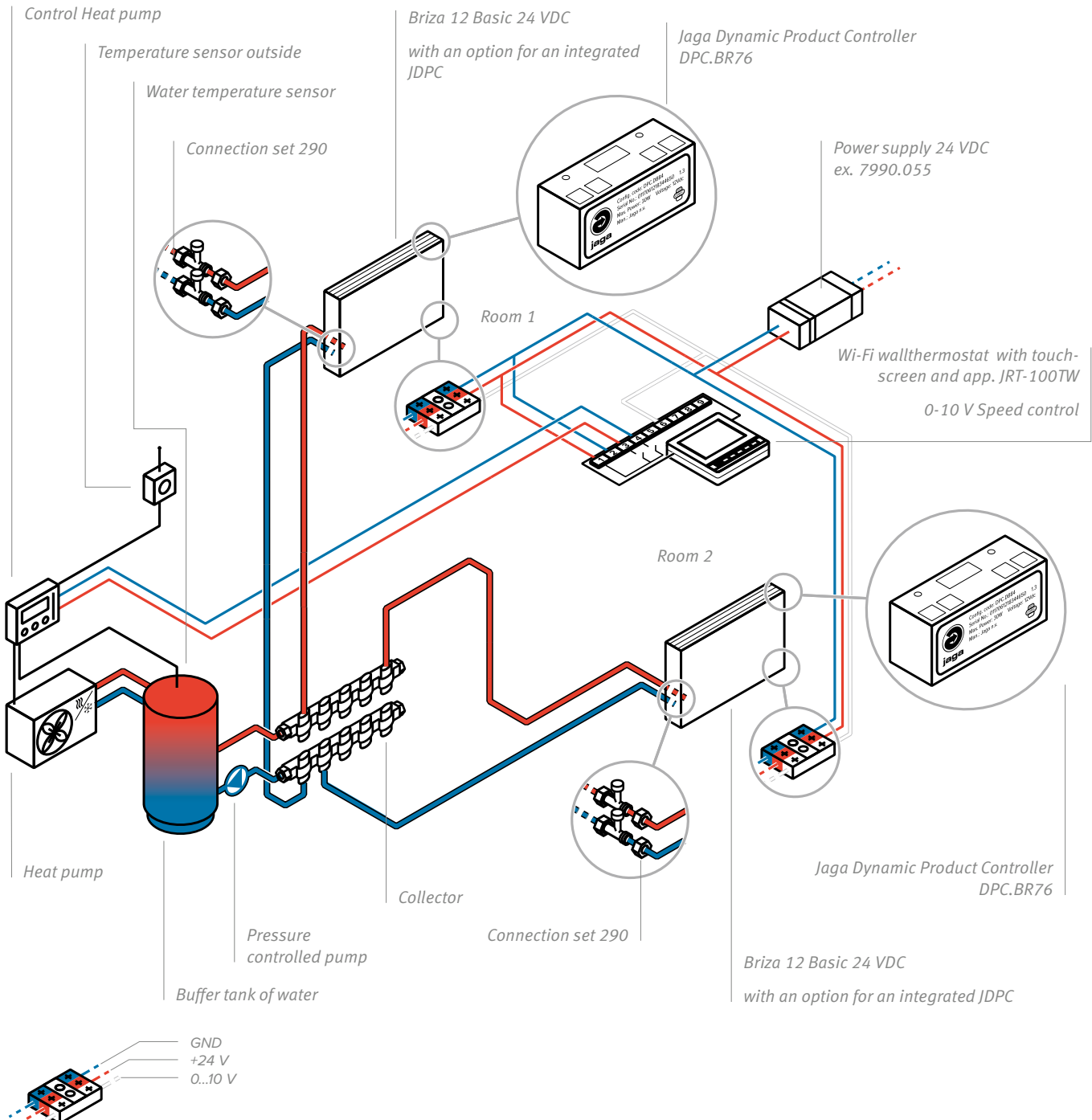


# BRIZA 12 ▪ INSTALLATION SCHEMES ▪ BASIC

## Heat pump and Briza BASIC (24VDC) with external room thermostat, external fan control and integrated water temperature monitoring.

Heat pump and Briza Basic (24V) with JDPC option, used with an external room thermostat. The external room thermostat adjusts the Briza's fan speed via a 0-10V signal. The JDPC option (for mounted Jaga Dynamic Product Controller) provides water temperature monitoring and possible fan speed adjustment. The heat pump supplies water according to the room thermostat's heating/ cooling demand.

### Example

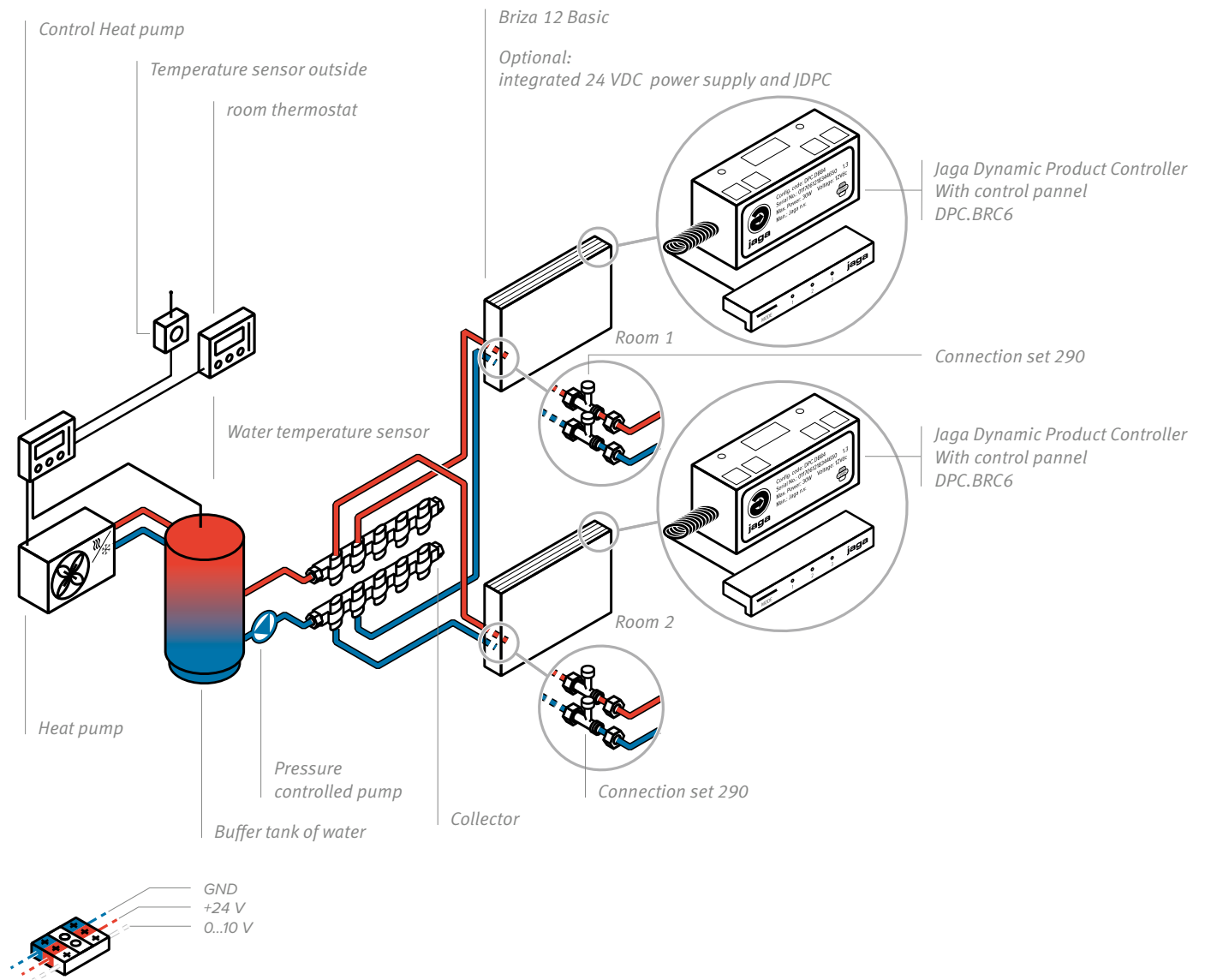


# BASIC ▪ INSTALLATION SCHEMES ▪ BRIZA 12

## Heat pump and Briza BASIC (24 VDC) with preassembled JDPC with control panel (option)

Integrated electronic JDPC unit with water temperature monitoring and a 3-position control of the fan speed with a control panel on the device. The Briza will start up when warm or cold water enters the heat exchanger, which is controlled by a heat pump with thermostatic control.

### Example



# jaga

CLIMATE DESIGNERS

## BRIZA 22

Easy to install fan convector  
for in-wall or in-ceiling  
installation

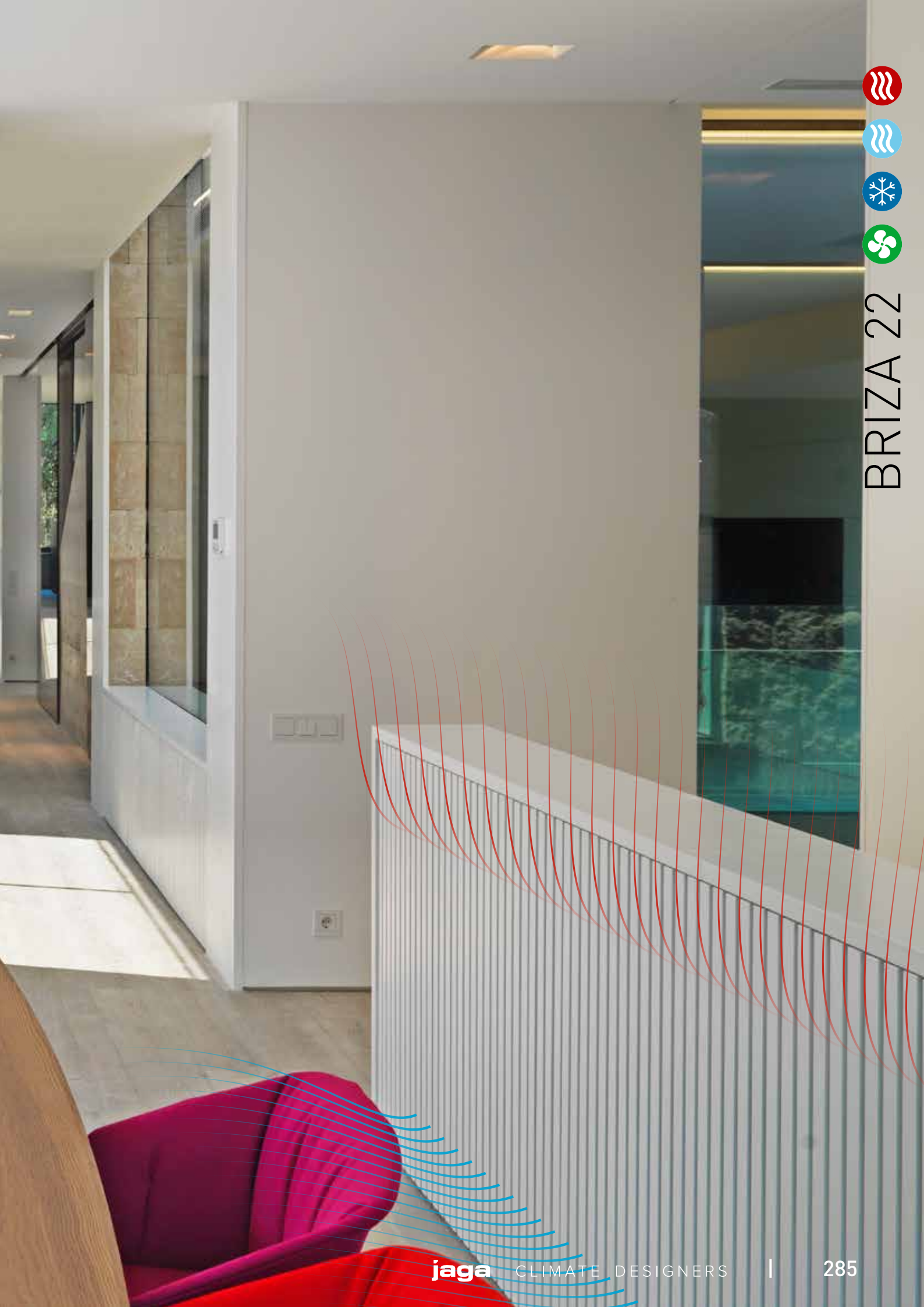
Super-power for heating,  
cooling and ventilation

**Briza 22 is the most powerful ventilo-convector for exhibition and retail spaces, office and meeting rooms, school buildings, hotels, winter gardens, etc. Jaga Briza fan convectors ensure the highest climate comfort while being energy-efficient and whisper-quiet. They bring every room up to temperature very quickly, both in winter and in summer. This way you can enjoy an ideal indoor climate year-round.**

- Built-in EC motor for a much lower energy consumption and a longer service life, suitable for connection to any heat source and ideal in combination with heat pumps and low temperature systems, optimized cooling capacity due to the new hydrophilic protection of the copper-aluminum coil, suitable for non-condensing and condensing cooling in combination with any heat pump that has a cooling function, with built-in room thermostat or controllable via the latest home automation systems, two-pipe system for cooling or heating through a single water-side circuit, 4-pipe system for cooling and heating through two water-side circuits.
- For 2-pipe or 4-pipe
- Also available for in-ceiling installation.



EBM-PAPST motors with Energy  
Efficiency Award



# BRIZA 22

# BRIZA 22 - BUILT-IN (BABW - BABC)



Heat exchanger with hydrophilic coating for optimum cooling performance

Hydraulic connection  
2-pipe G3/4"  
4-pipe G1/2"

Sturdy casing manufactured from electro-galvanised steel

Metal condensate tray with epoxy-polyester coating

Centrifugal fan(s) with twin inlet



Electrical connection

Filter Class G2

Mounting of the fan blade using dust/oil-free ball bearings

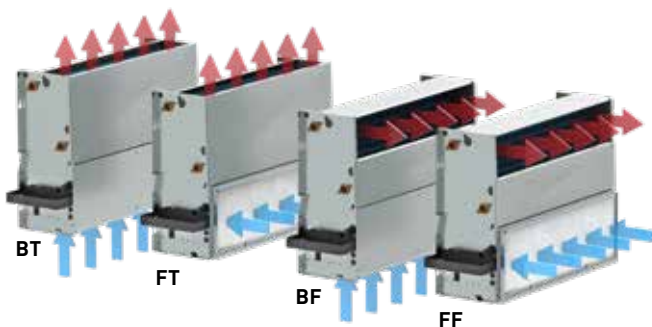
Greentech EC motor 230 VAC 0-10V



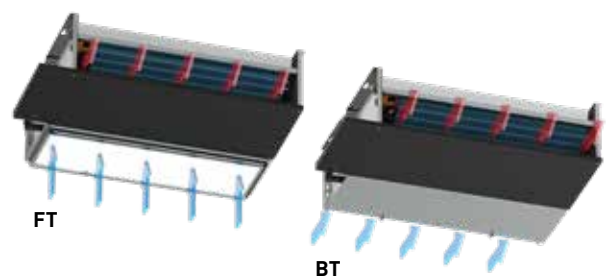
## GREENTECH EC-MOTORS

EC motors reduce operating costs, reduce the impact on the environment and impress with their quiet operation. Due to the higher efficiency of the EC motors, the energy consumption is directly linked to the rotation speed and thus the flow rate of the fan. The actual power consumption is determined by the (variable) speed.

### INSTALLATION IN A WALL RECESS BABW



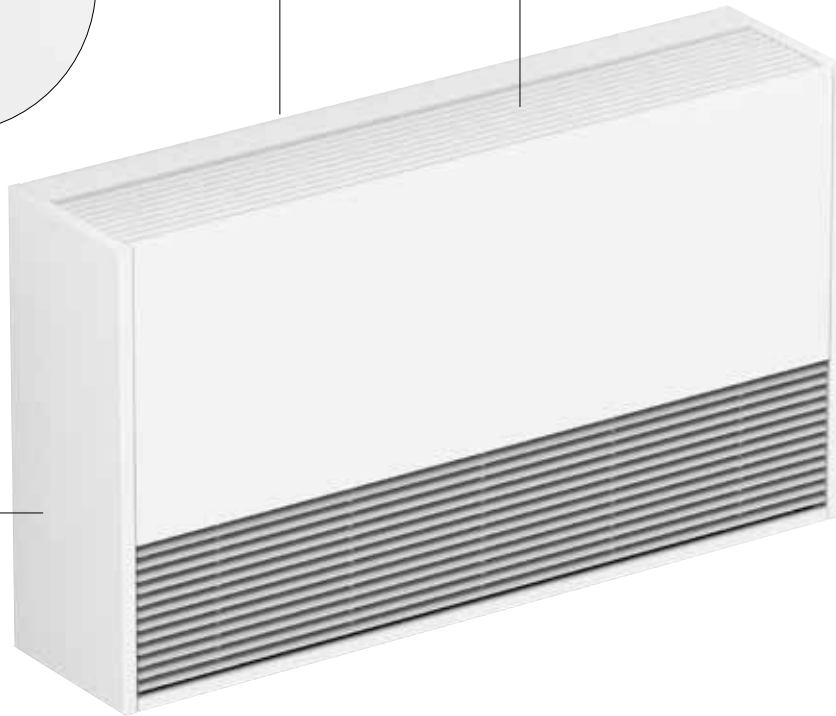
### BUILT-IN CEILING BABC





back panel to aesthetically seal off the space between the radiator and the wall  
 - prepainted in dark gray RAL 7024

aluminium top grille, powder coated in the same colour as the unit

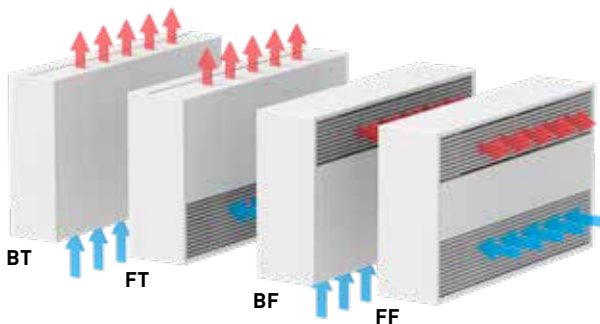


Laquered casing in sendzimir galvanized steel plate  
 standard colours:  
 - traffic white RAL 9016 (133), soft touch lightly structured satin powder coating  
 - sandblast grey (001), fine texture metallic powder coating  
 - off-black (145), soft touch lightly-textured satin lacquer  
 Other colours: see colour chart

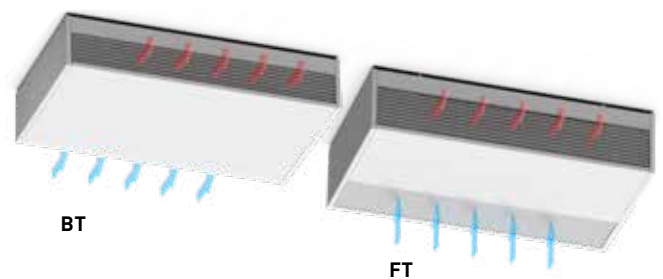
**EASY INSTALLATION**

The units are light and compact. In order to facilitate the installation, the construction is done with an eye for detail. Despite its small dimensions, there is sufficient space for connecting and installing additional components.

**WALL MOUNTED MODEL BAMW**

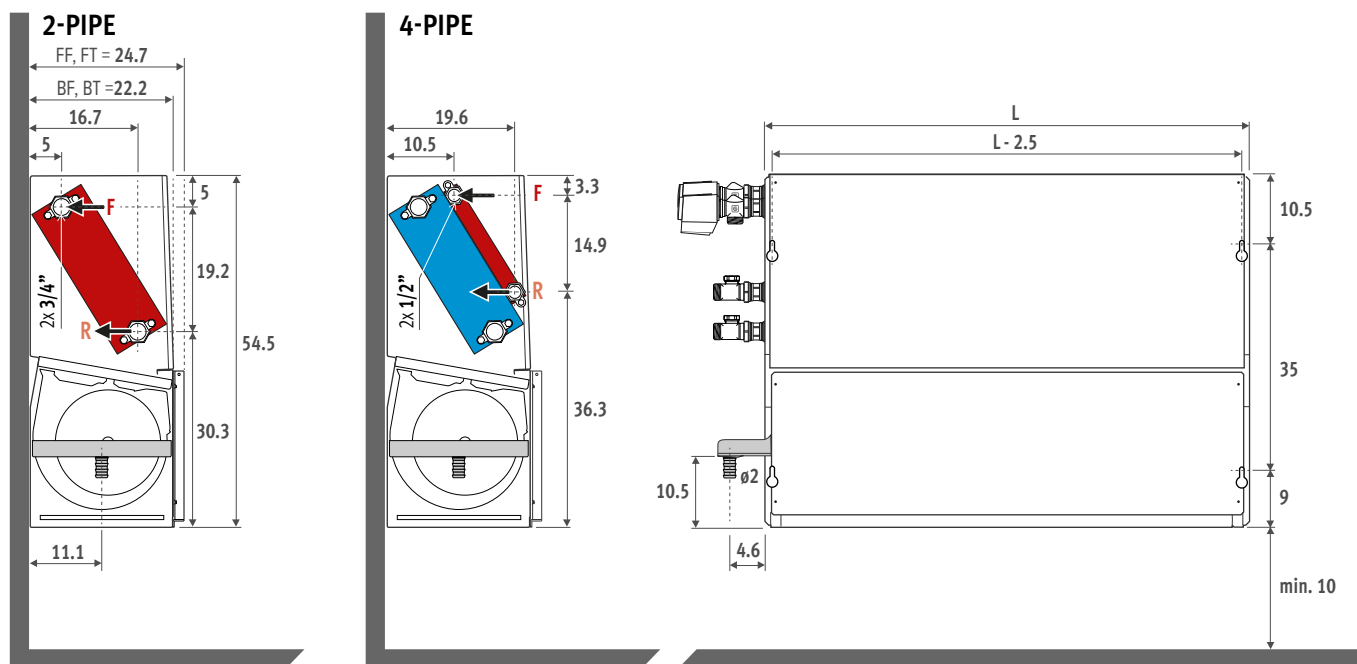


**CEILING MOUNTED MODEL BAMC**



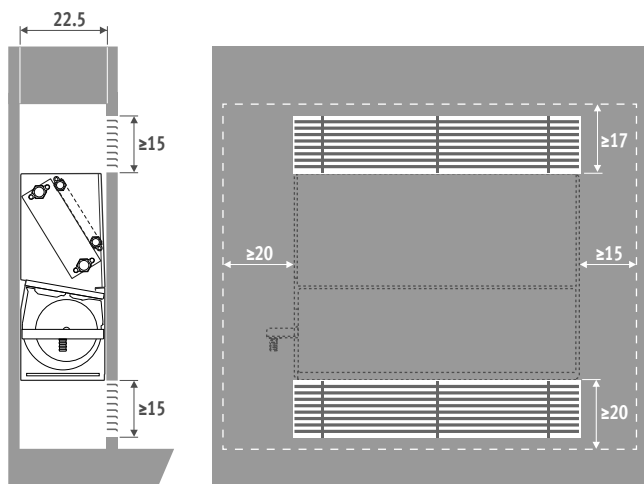
# BRIZA 22 ■ INSTALLATION IN A WALL RECESS - BABW

## DIMENSIONS (in cm)

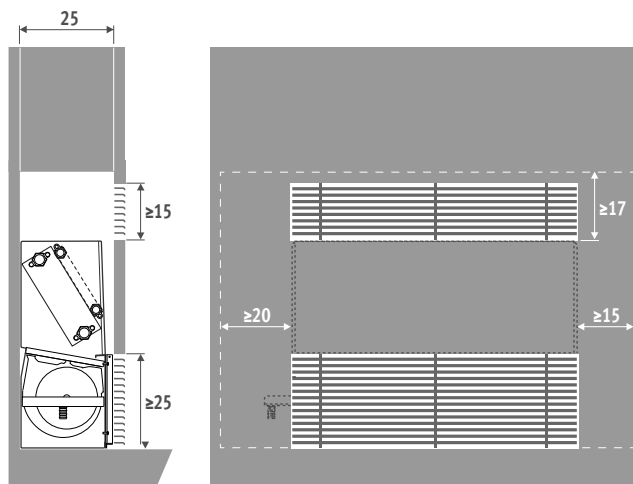


## INSTALLATION

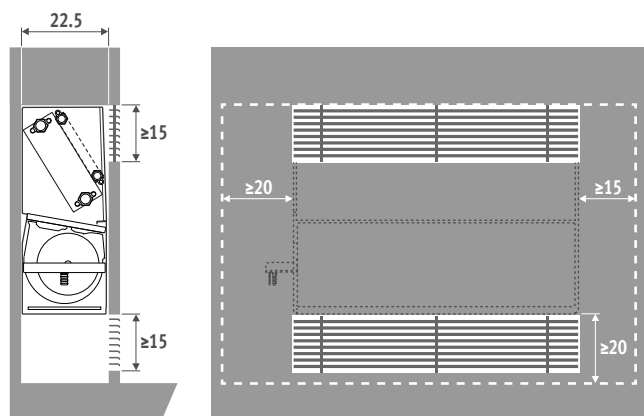
### BT - BOTTOM TOP



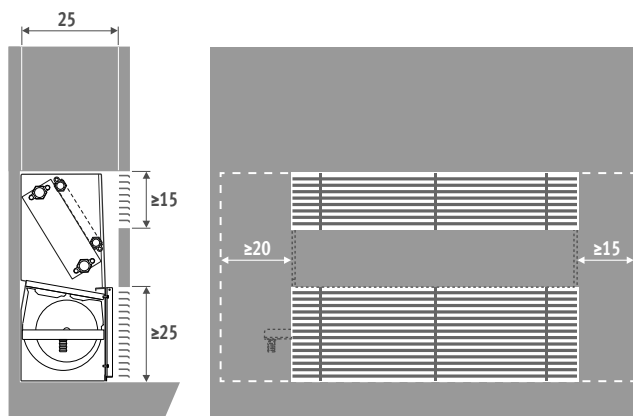
### FT - FRONT TOP



### BF - BOTTOM FRONT



### FF - FRONT FRONT

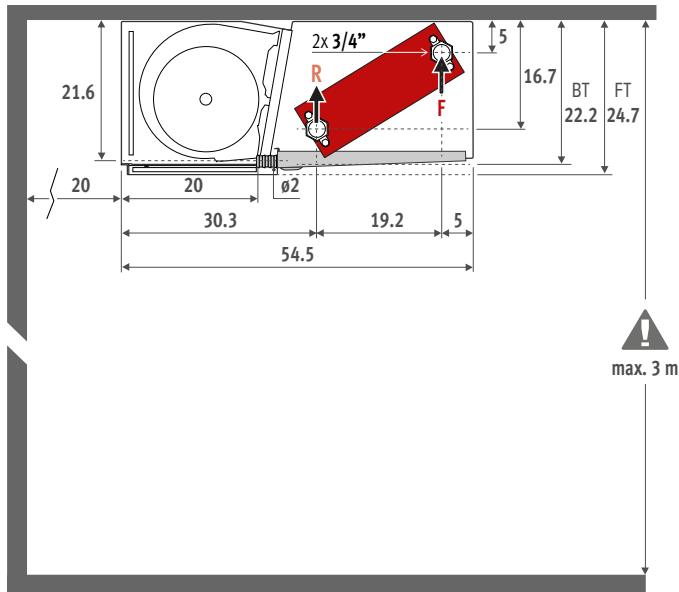




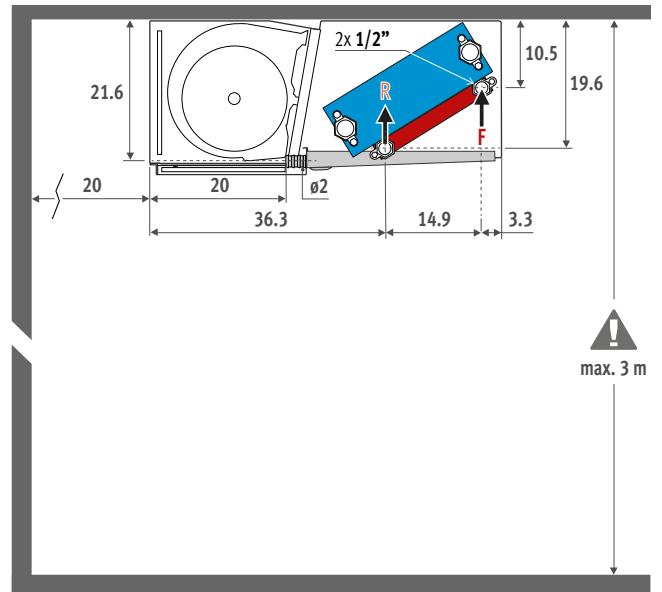
# BUILT-IN CEILING - BABC ▪ BRIZA 22

## DIMENSIONS (in cm)

### 2-PIPE

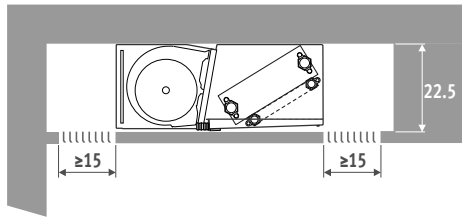


### 4-PIPE

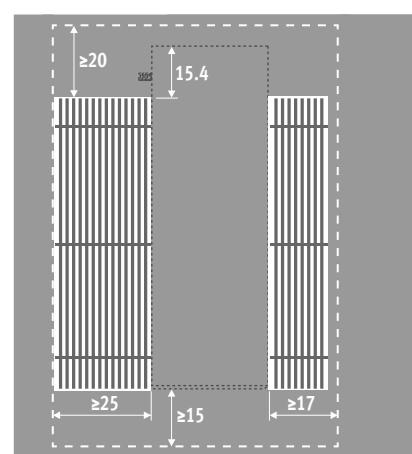
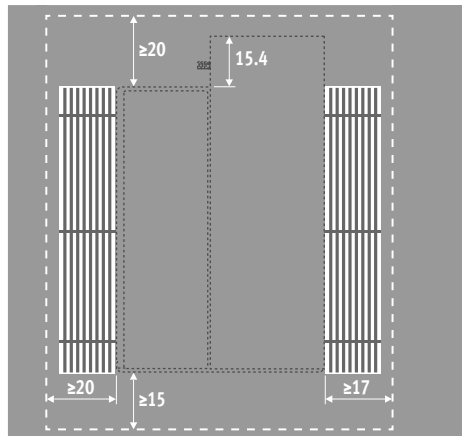
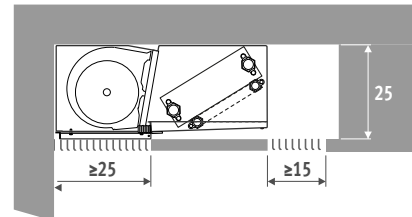


## INSTALLATION

### BT • BOTTOM TOP

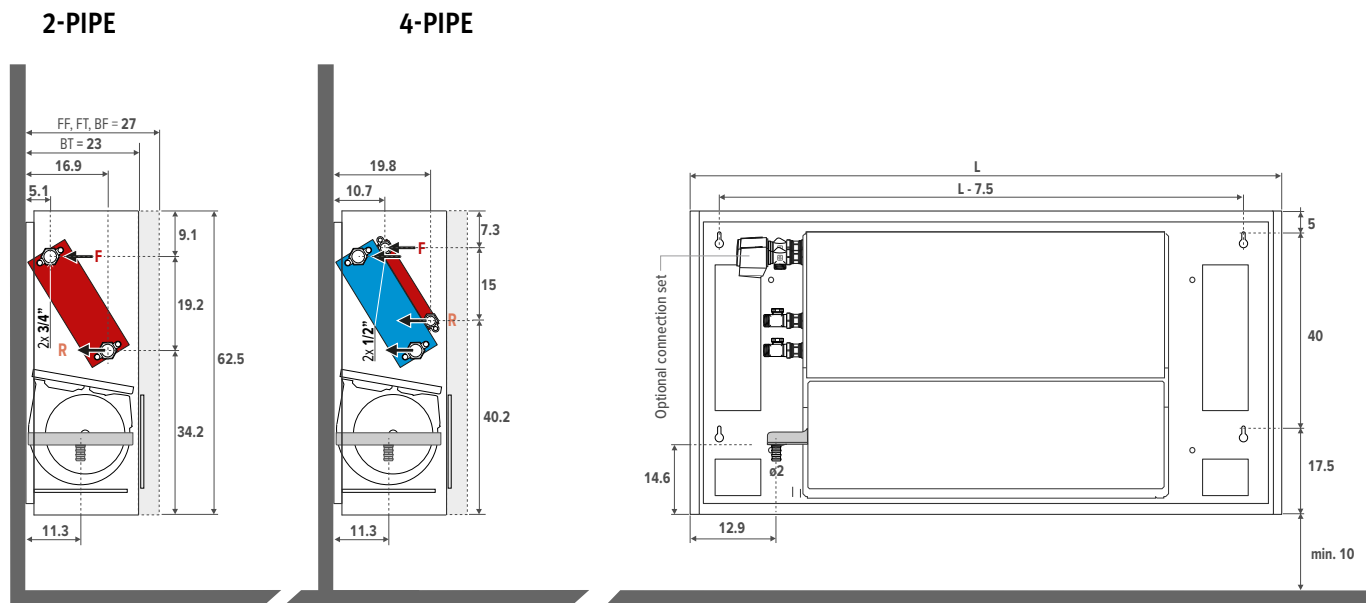


### FT • FRONT TOP



# BRIZA 22 ■ WALL MOUNTED MODEL WITH CASING - BAMW

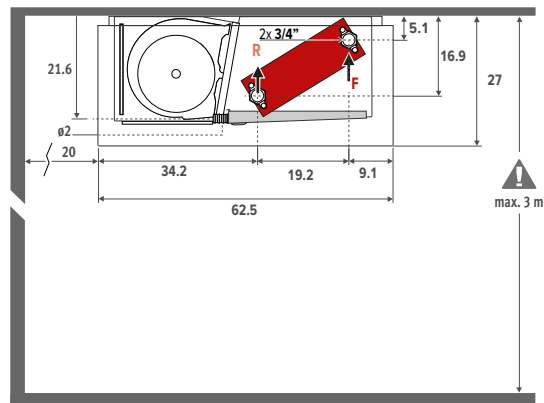
DIMENSIONS (in cm)



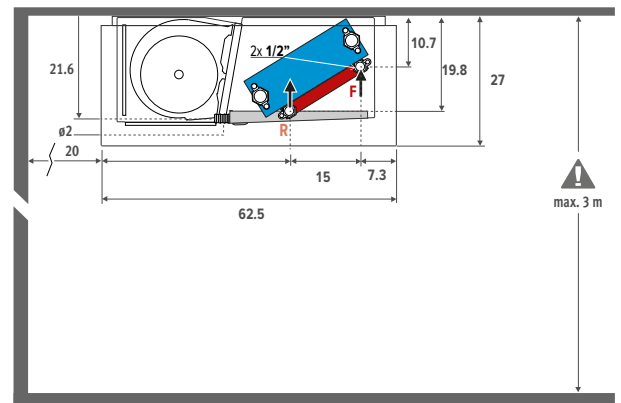
# BRIZA 22 ■ CEILING MOUNTED MODEL WITH CASING - BAMC

DIMENSIONS (in cm)

2-PIPE



4-PIPE



## PRE-MOUNTED JAGA FANCOIL CONTROLLER (JFCC)

Jaga Fan Coil Controller increases the functionalities of the Jaga products. The JFCC is available for all Jaga Briza 22 devices. The controller is delivered pre-set and mounted in the unit. The device is controlled by the home automation system or BMS.



### CONTROL VIA BMS OR EXTERNAL THERMOSTAT

- For 2-pipe or 4-pipe
- Control per appliance, without control panel
- With water temperature sensor
- Power supply 230 VAC
- With key card contact / window contact
- Heating / cooling
- Heating: configured at water temperature >28°C, can easily be modified
- Cooling: configured at water temperature <18°C, can easily be modified
- 0-10 V input for building management system/thermostats

CODE	SURCHARGE	€
FCC.BR712 Heating 2-pipe	347	
FCC.BR722 Heating / Cooling 2-pipe	347	
FCC.BR724 Heating / Cooling 4-pipe	347	

### CONTROL WITH 3-POSITION CONTROL PANEL

- For 2-pipe or 4-pipe
- Control with a pushbutton control and a water and room temperature sensor(s)
- Heating/cooling with automatic switch
- Power supply 230 VAC
- With key card contact / window contact
- Heating: configured at water temperature >28°C, can easily be modified
- Cooling: configured at water temperature <18°C, can easily be modified

CODE	SURCHARGE	€
FCC.BRC42 Heating 2-pipe	358	
FCC.BRC62 Heating / Cooling 2-pipe	358	
FCC.BRC64 Heating / Cooling 4-pipe	358	

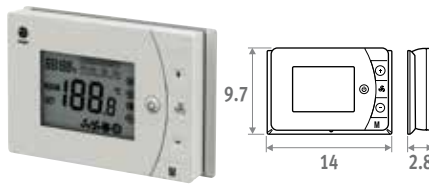
## CLOCK THERMOSTATS HEATING / COOLING

The features in bold type listed below apply to thermostats 8751.050013 - 8751.050012 - 8751.050009

- Automatic thermostat for
  - 2-pipe: heating/cooling or auto
  - 4-pipe: heating/cooling or auto
- Fan speed: 4V/6V/10V or auto
- power supply voltage 24 VDC
- Output(s) control signal 0-10 VDC
- 1 clock thermostat per room
- Programmable zones
- LCD display with background lighting
- Protection category IP30

### FOR WALL MOUNTING

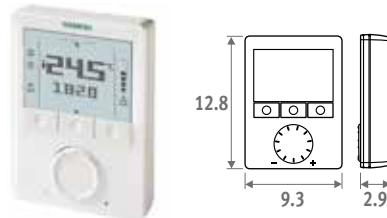
Jaga clock thermostat for wall mounting JRT-200



- 2 potential-free contacts heating/cooling (f.e. valve control 24 VDC or 230 VAC)
- With key card contact / window contact
- Can be mounted on a junction box with screw holes at 6 cm

CODE	€
8751.050013 Wall mounted	100

### Siemens clock thermostat for wall mounting



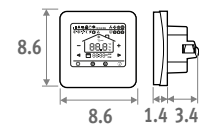
- Unlimited adjustment possibilities: 74 features and diagnostic test
- Contact Jaga for more information

CODE	€
8751.050009 Wall mounted	315

### FOR RECESSED MOUNTING

NEW

Jaga clock thermostat for recessed/panel mounting JRT-100TW



Touchscreen



Wi-Fi

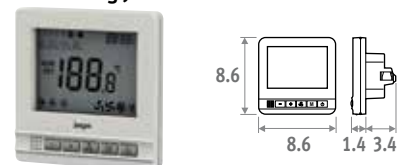


App

- LCD touchscreen with background lighting
- control via WIFI (smartphone app)
- programmable time zones 7 days(1-7)
- Control valves 24 VDC heating/cooling
- Thermostat to be mounted in a junction box
- Spacing holes at 6 cm
- Minimum depth 4.5 cm
- inner dimension 5 x 5 cm or Ø 6 cm

CODE	€
8751.050017 Built-in White	177
8751.050019 Built-in Black	177

Jaga clock thermostat for recessed/panel mounting JRT-100



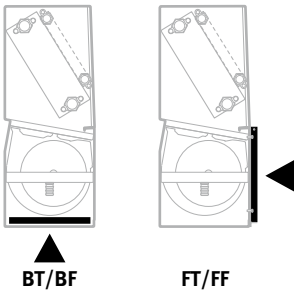
- Control valves 24 VDC heating/cooling
- Thermostat to be mounted in a junction box
- Spacing holes at 6 cm
- Minimum depth 4.5 cm
- inner dimension 5 x 5 cm or Ø 6 cm

CODE	€
8751.050012 Built-in	106

# BRIZA 22 - OPTIONS



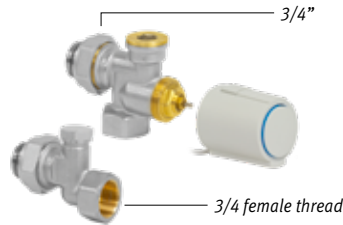
## FILTER



- Filter Class G2
- Fire-safe according to DIN 53438 (F1)

CODE	Length Briza 22	€
8721.401	55	43
8721.402	75	49
8721.403	95	55
8721.404	125	72
8721.405	155	84

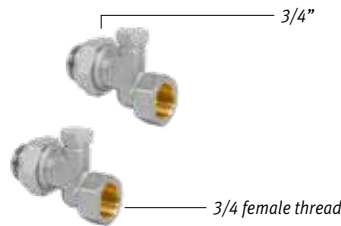
## CONNECTION SET 2-PIPE JAGA 3/4 DN20



- Thermoelectric motor 24 VDC or 230VAC
- valve Eurocone 3/4" x 3/4"
- lockshield Eurocone 3/4" x 3/4"

Set 301	Kv max. 0.8-2.5	€
<b>TWO PIPE</b>		
CODY.WA5.24.0	24 VDC	108
CODY.WA5.23.0	230 VAC	108

## CONNECTION SET WITH 2 LOCKSHIELDS 3/4 180°



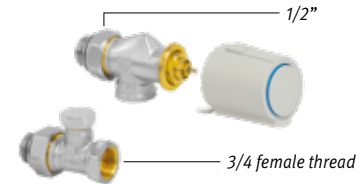
Set 302	€
CODY.LO5.00.0	52

## CONNECTION SET 4-PIPE JAGA 1/2



Only to be used with Briza 22 4-pipe.

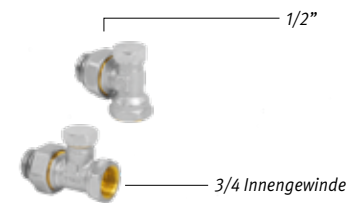
To be mounted on the 2nd heat exchanger with 1/2 "connections.



- Thermoelectric motor 24 VDC or 230VAC
- valve G1/2" x G1/2" 90°
- lockshield G1/2" x G1/2" 180°

Set 98	Kv 1.0 - without pre-setting	€
<b>TWO PIPE</b>		
CODY.WA4.24.0	24 VDC	83
CODY.WA4.23.0	230 VAC	83

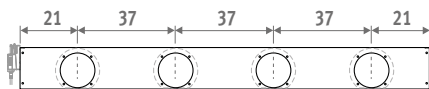
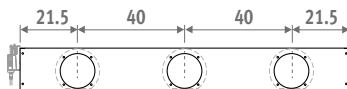
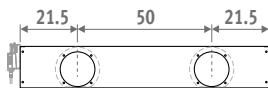
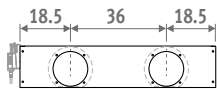
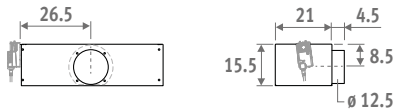
## CONNECTION SET WITH 2 LOCKSHIELDS G1/2"



Set 99	€
CODY.LOM.00.0	26



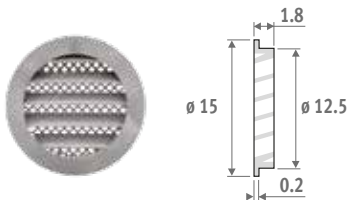
## AIR MIXING BOX WITH 0...10V MODULATING MOTOR



- 230 VAC motorised air in take unit, with modulating adjustable damper (damper position determined by modulating 0 ... 10V signal)
- Connection  $\varnothing$  12.5 cm
- Dark grey painted steel plate - RAL 7024

CODE	L Briza 22	# Connections	€
8763.0301	55	1	711
8763.0302	75	2	756
8763.0303	95	2	793
8763.0304	125	3	832
8763.0305	155	4	923

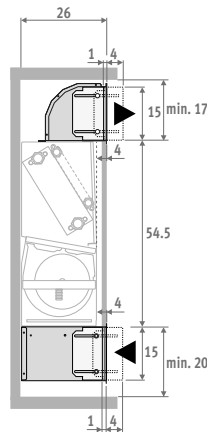
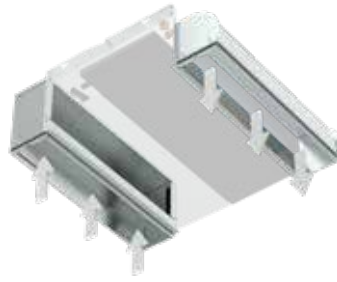
## EXTERNAL GRILLE



- Natural coloured aluminum external grille  $\varnothing$  12.5 cm
- With fine structured metal anti-vermin grille
- Protection against rain

CODE	€
8776.1750	31

## CORNER PIECE 90°



## AIR INLET CORNER PIECE 90°

- Height control -1 to + 4 cm
- Galvanised steel plate

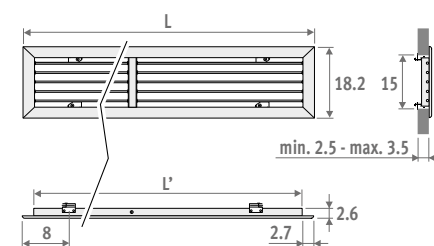
CODE	Length Briza 22	€
8787.0101	55	105
8787.0102	75	111
8787.0103	95	120
8787.0104	125	138
8787.0105	155	164

## AIR OUTLET CORNER PIECE 90°

- Height control -1 to + 4 cm
- Galvanised steel plate

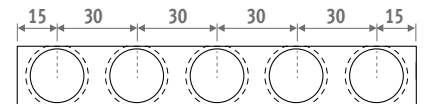
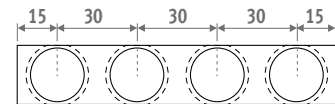
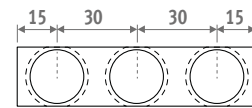
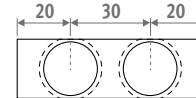
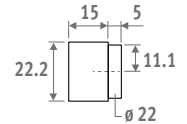
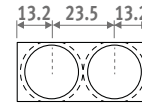
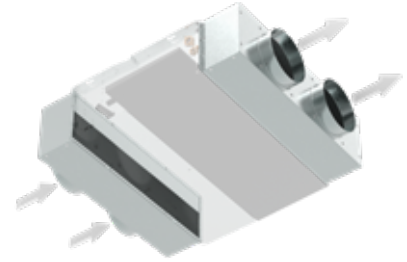
CODE	Length Briza 22	€
8788.0101	55	98
8788.0102	75	105
8788.0103	95	120
8788.0104	125	127
8788.0105	155	155

## GRILLE FOR CORNER PIECE 90°



CODE	L Briza 22	Building in-opening	€
8789.201	55	50 x 15	116
8789.202	75	70 x 15	142
8789.203	95	90 x 15	184
8789.204	125	120 x 15	211
8789.205	155	150 x 15	245

## PLENUM 180°



## AIR INLET PLENUM 180°

- Connection  $\varnothing$  20 cm
- To fit on the air inlet side
- Galvanised steel plate

CODE	L Briza 22	# Connections	€
8764.0501	55	2	96
8764.0502	75	2	103
8764.0503	95	3	119
8764.0504	125	4	141
8764.0505	155	5	166

## AIR EXHAUST PLENUM 180°

- Connection  $\varnothing$  20 cm
- To fit on the air exhaust side
- Acoustically and thermally insulated internal surfaces
- Galvanised steel plate

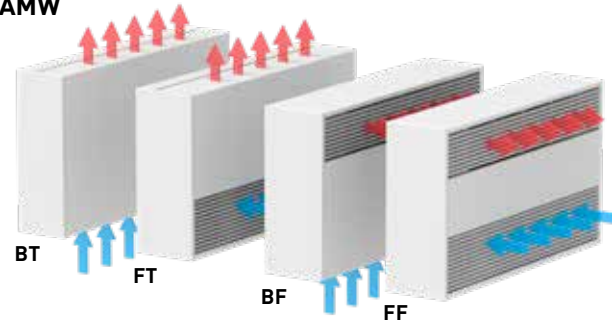
CODE	L Briza 22	# Connections	€
8764.0601	55	2	151
8764.0602	75	2	161
8764.0603	95	3	196
8764.0604	125	4	228
8764.0605	155	5	264

# BRIZA 22 ■ WITH CASING 2-PIPE

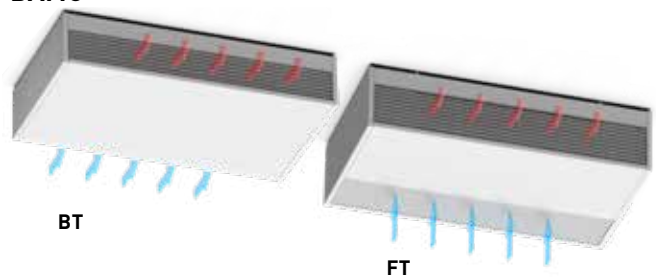
## STANDARD DELIVERY

- Laquered casing in sendzimir galvanized steel plate with aluminium top grille
- standard colours:
  - traffic white RAL 9016 (133), soft touch lightly structured satin powder coating
  - sandblast grey (001), fine texture metallic powder coating
  - off-black RAL 7021 (145) Soft touch: finely-textured matte look
- Other colours: see colour chart
- back panel to aesthetically seal off the space between the radiator and the wall, prepainted in dark gray RAL 7024
- Energy efficient and maintenance-free EC motor
- Centrifugal fan(s) with twin inlet
- Copper-aluminum 2-pipe hydrophilic coated heat exchanger, G3/4" F.
- Condensate tray with outlet spigot ø 2 cm
- Replaceable polypropylene dust filter (class G2)
- Sturdy casing manufactured from electro-galvanised steel

### BAMW



### BAMC



## CONNECTION

Standard connection:


- Hydraulic connections on the left hand side, clamp connector for electric connection 230 VAC on the right hand side.

OTHER CONNECTION:

- Hydraulic right, electric left:

Connection code /70 instead of /20 No surcharge.

ex. BAMW.055 055 22 /BT /70

DIMENSIONS			MAX. MEASURED CURRENT	CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C	COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE* dB(A)	AIR FLOW m³/h	POWER CONSUMPTION Watts	PRICE STANDARD COLOURS €	 <b>2-PIPE</b>
H cm	L cm	T cm			I A	U V	75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	7/12 Watts	7/12 Watts					
063	090	22	0.5	2	1918	1131	739	461	831	594	338	26	116	3.6	2545	BAMW.063 090 22.XXX /BT /20	
					4	3493	2061	1346	839	1497	1070	605	35	221			8.3
					6	4580	2702	1764	1101	2014	1440	779	43	308			16.1
					8	5541	3269	2134	1331	2467	1764	935	47	391			29.0
					10	6060	3575	2334	1456	2692	1925	1026	51	434			38.2
110	22	0.5	2	2615	1575	1046	665	1279	915	446	21	155	3.5	2883	BAMW.063 110 22.XXX /BT /20		
				4	4678	2819	1872	1190	2209	1579	771	30	284			8.3	
				6	6264	3774	2507	1593	2933	2097	1023	39	396			16.7	
				8	7581	4568	3034	1929	3543	2533	1236	45	503			30.1	
				10	8533	5141	3415	2171	3991	2853	1392	49	591			43.8	
130	22	0.5	2	3430	2014	1310	813	1616	1155	636	22	215	3.8	3127	BAMW.063 130 22.XXX /BT /20		
				4	6051	3552	2310	1435	2804	2005	1104	30	359			9.3	
				6	8190	4808	3127	1942	3767	2694	1483	37	491			19.1	
				8	9959	5846	3802	2361	4557	3258	1794	43	614			33.5	
				10	11098	6515	4237	2631	5060	3618	1992	47	703			47.8	
160	22	1.0	2	4722	2826	1867	1180	1930	1380	694	28	290	7.0	4398	BAMW.063 160 22.XXX /BT /20		
				4	8160	4884	3226	2038	3345	2392	1203	36	534			16.6	
				6	10677	6390	4221	2667	4439	3174	1597	43	730			33.9	
				8	13036	7802	5153	3256	5524	3949	1987	49	931			59.4	
				10	14479	8665	5724	3617	6224	4450	2239	53	1065			83.5	
190	22	1.0	2	4691	2826	1877	1193	2112	1510	737	25	341	7.0	4844	BAMW.063 190 22.XXX /BT /20		
				4	8383	5051	3355	2133	3823	2733	1334	34	614			16.9	
				6	11605	6992	4644	2952	5322	3805	1857	41	860			34.8	
				8	14491	8731	5799	3686	6670	4769	2327	47	1088			61.8	
				10	16462	9919	6587	4188	7595	5430	2650	51	1247			89.2	

Output measured in accordance with EN 1397

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

BAMW (Wall mounted model)  
BAMC (Ceiling mounted model)

BT (Bottom Top)  
FT (Front Top)  
BF (Bottom Front)  
FF (Front Front)

# WITH CASING 4-PIPE - BRIZA 22

## STANDARD DELIVERY

- Laquered casing in sendzimir galvanized steel plate with aluminium top grille
- standard colours:
  - raffic white RAL 9016 (133), soft touch lightly structured satin powder coating
  - Sandblast grey (001), Ffine texture metallic powder coating
  - off-black RAL 7021 (145) Soft touch: finely-textured matte look
 Other colours: see colour chart
- back panel to aesthetically seal off the space between the radiator and the wall, prepainted in dark gray RAL 7024
- Energy efficient and maintenance-free EC motor
- Centrifugal fan(s) with twin inlet
- Copper-aluminum 2-pipe hydrophilic coated heat exchanger, G3/4" F.
- Second heat exchanger, G1/2" F
- Condensate tray with outlet spigot ø 2 cm
- Replaceable polypropylene dust filter (class G2)
- Sturdy casing manufactured from electro-galvanised steel

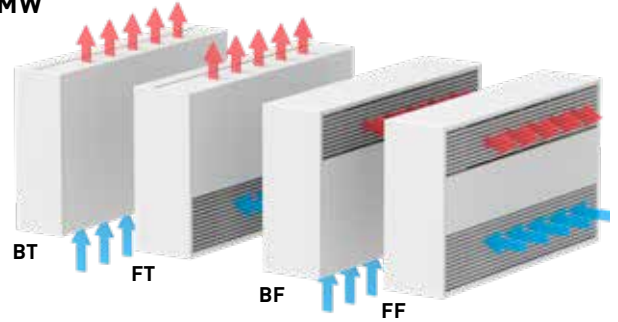
## CONNECTION

- Standard connection:
- Hydraulic connections on the left hand side, clamp connector for electric connection 230 VAC on the right hand side.

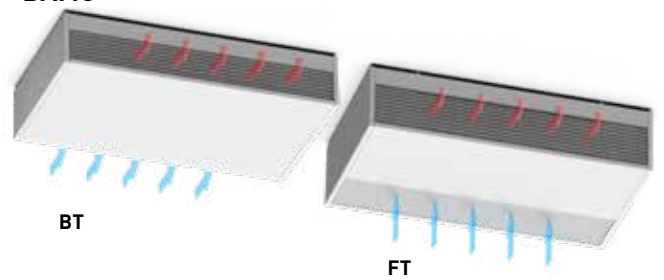
### OTHER CONNECTION:

- Hydraulic right, electric left:
- Connection code /70 instead of /20 No surcharge.
- ex. BAMW.055 055 22 /BT /70

BAMW



BAMC



DIMENSIONS			MAX. MEASURED CURRENT	CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C		COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	POWER CONSUMPTION	PRICE STANDARD COLOURS	4-PIPE
H	L	T			75/65	55/45	45/35	35/30	7/12	7/12	16/18	dB(A)						
cm	cm	cm	A	V	Watts	Watts	Watts	Watts	Watts	Watts								
063	090	22	0.5	2	1326	738	460	273	831	594	338	26	116	3.6	2837	BAMW.63 090 22.XXX /BT /4 /20		
				4	1724	960	598	355	1497	1070	605	35	221	8.3				
				6	2114	1177	734	435	2014	1440	779	43	308	16.1				
				8	2386	1329	828	491	2467	1764	935	47	391	29.0				
				10	2505	1395	869	515	2692	1925	1026	51	434	38.2				
110	22	0.5	0.5	2	1490	830	518	307	1279	915	446	21	155	3.5	3194	BAMW.063 110 22.XXX /BT /4 /20		
				4	2366	1318	822	487	2209	1579	771	30	284	8.3				
				6	2955	1646	1026	608	2933	2097	1023	39	396	16.7				
				8	3382	1885	1175	696	3543	2533	1236	45	503	30.1				
				10	3652	2035	1269	752	3991	2853	1392	49	591	43.8				
130	22	0.5	0.5	2	2110	1170	726	429	1616	1155	636	22	215	3.8	3469	BAMW.063 130 22.XXX /BT /4 /20		
				4	3112	1725	1071	632	2804	2005	1104	30	359	9.3				
				6	3825	2120	1316	777	3767	2694	1483	37	491	19.1				
				8	4336	2404	1492	881	4557	3258	1794	43	614	33.5				
				10	4627	2565	1593	940	5060	3618	1992	47	703	47.8				
160	22	1.0	1.0	2	3587	2027	1278	767	1930	1380	694	28	290	7.0	4795	BAMW.063 160 22.XXX /BT /4 /20		
				4	4951	2798	1764	1059	3345	2392	1203	36	534	16.6				
				6	5898	3333	2102	1262	4439	3174	1597	43	730	33.9				
				8	6733	3805	2399	1440	5524	3949	1987	49	931	59.4				
				10	7211	4075	2570	1542	6224	4450	2239	53	1065	83.5				
190	22	1.0	1.0	2	3320	1891	1200	725	2112	1510	737	25	341	7.0	5284	BAMW.063 190 22.XXX /BT /4 /20		
				4	5199	2960	1878	1135	3823	2733	1334	34	614	16.9				
				6	6713	3822	2425	1466	5322	3805	1857	41	860	34.8				
				8	7960	4533	2876	1738	6670	4769	2327	47	1088	61.8				
				10	8748	4981	3160	1910	7595	5430	2650	51	1247	89.2				

Output measured in accordance with EN 1397

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

BAMW (Wall mounted model)  
BAMC (Ceiling mounted model)

BT (Bottom Top)  
FT (Front Top)  
BF (Bottom Front)  
FF (Front Front)

enter colour code

# BRIZA 22 - 2-PIPE

## STANDARD DELIVERY

- Energy efficient and maintenance-free EC motor
- Centrifugal fan(s) with twin inlet
- Copper-aluminum 2-pipe hydrophilic coated heat exchanger, G3/4" F.
- Condensate tray with outlet spigot ø 2 cm
- Replaceable polypropylene dust filter (class G2)
- Sturdy casing manufactured from electro-galvanised steel

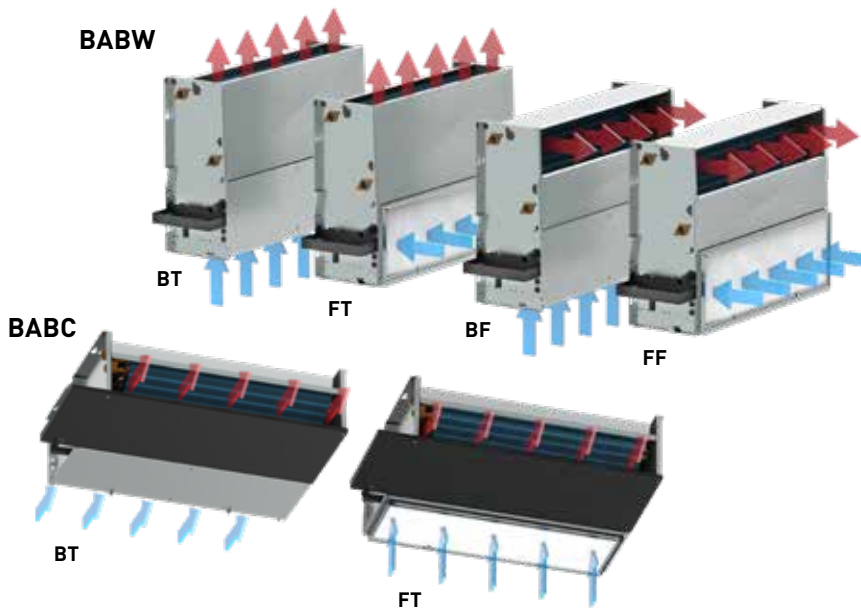
## CONNECTION


Standard connection:

- Hydraulic connections on the left hand side, clamp connector for electric connection 230 VAC on the right hand side.

OTHER CONNECTION

- Hydraulic right, electric left:  
Connection code /70 instead of /20  
No surcharge.  
ex.BABW.055 055 22 /BT /70



DIMENSIONS			MAX. MEASURED CURRENT	CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C	COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE* dB(A)	AIR FLOW m³/h	POWER CONSUMPTION Watts	PRICE €	 <b>2-PIPE</b>
H cm	L cm	T cm			I A	U V	75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	7/12 Watts	7/12 Watts					
055	055	22	0.5	2	2213	1305	852	532	939	677	390	26	134	3.7	1522	BABW.055 055 22 /BT /20	
					3924	2315	1512	943	1685	1214	674	35	254	8.7			
					5122	3022	1973	1231	2256	1626	866	43	355	17.2			
					6255	3690	2409	1503	2749	1981	1061	47	450	31.1			
					6909	4076	2661	1660	2991	2155	1185	51	500	41.1			
075	22	0.5	2	3010	1814	1204	766	1445	1041	508	21	178	3.7	1762	BABW.055 075 22 /BT /20		
				5307	3197	2124	1350	2475	1784	870	30	327	8.8				
				7026	4233	2811	1787	3258	2348	1146	39	456	17.7				
				8409	5067	3365	2139	3901	2811	1372	45	579	31.9				
				9370	5646	3749	2384	4358	3141	1533	49	681	46.4				
095	22	0.5	2	4049	2377	1546	960	1882	1356	747	22	247	3.9	1935	BABW.055 095 22 /BT /20		
				6960	4086	2657	1650	3189	2298	1266	30	413	9.9				
				9281	5448	3543	2200	4221	3042	1675	37	565	20.6				
				11143	6541	4254	2642	5040	3632	2000	43	707	35.9				
				12305	7223	4698	2918	5543	3995	2200	47	809	51.2				
125	22	1.0	2	5366	3211	2121	1340	2172	1565	787	28	334	7.2	2643	BABW.055 125 22 /BT /20		
				9224	5520	3647	2304	3771	2718	1367	36	614	17.5				
				11998	7181	4743	2997	4999	3603	1812	43	840	35.7				
				14548	8706	5751	3634	6209	4475	2251	49	1072	62.8				
				16076	9621	6355	4016	6985	5034	2533	53	1226	88.5				
155	22	1.0	2	4889	2946	1956	1244	2420	1393	680	25	392	7.2	3091	BABW.055 155 22 /BT /20		
				9374	5648	3751	2385	4358	2978	1453	34	706	17.8				
				13215	7962	5288	3362	6048	4325	2110	41	990	37.1				
				16591	9996	6639	4221	7562	5499	2683	47	1252	65.8				
				18859	11363	7547	4797	8596	6282	3065	51	1436	95.0				

Output measured in accordance with EN 1397

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

**BABW** (Installation in a wall recess)  
**BABC** (Built-in ceiling)

**BT** (Bottom Top)  
**FT** (Front Top)  
**BF** (Bottom Front)  
**FF** (Front Front)



# BUILT-IN 4-PIPE - BRIZA 22

## STANDARD DELIVERY

- Energy efficient and maintenance-free EC motor
- Centrifugal fan(s) with twin inlet
- For more information
- Second heat exchanger, G1/2" F
- Condensate tray with outlet spigot  $\varnothing$  2 cm
- Replaceable polypropylene dust filter (class G2)
- Sturdy casing manufactured from electro-galvanised steel

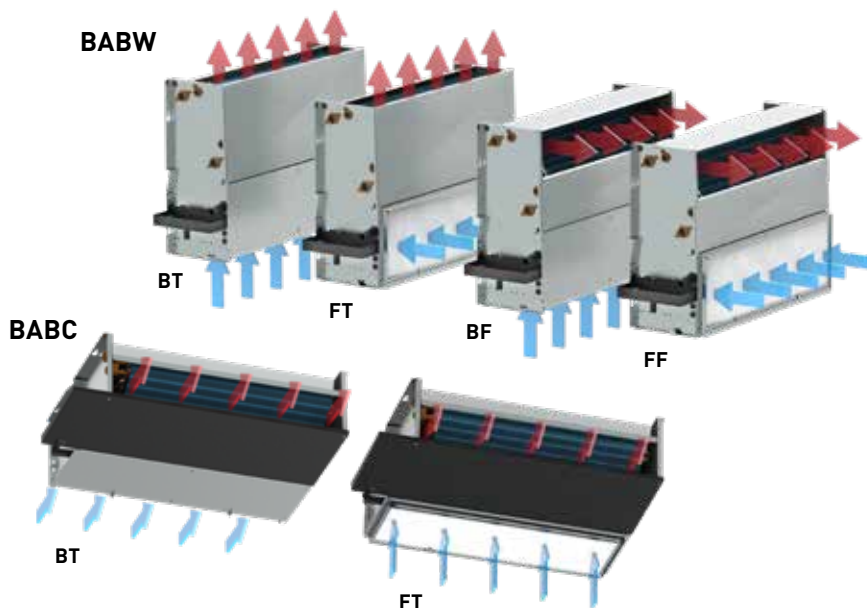
## CONNECTION

Standard connection:

- Hydraulic connections on the left hand side, clamp connector for electric connection 230 VAC on the right hand side.

OTHER CONNECTION:

- Hydraulic right, electric left:  
Connection code /70 instead of /20  
No surcharge.  
ex. BABW.055 055 22 /BT /4 /70



DIMENSIONS			MAX. MEASURED CURRENT	CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C	COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE* dB(A)	AIR FLOW m <sup>3</sup> /h	POWER CONSUMPTION Watts	PRICE €	4-PIPE
H cm	L cm	T cm			I A	U V	75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	7/12 Watts	7/12 Watts					
055	055	22	0.5	2	1367	761	475	281	939	677	390	26	134	3.7	1832	BABW.055 055 22 /BT /4 /20	
					4	1881	1047	653	387	1685	1214	674	35	254			8.7
					6	2279	1269	791	469	2256	1626	866	43	355			17.2
					8	2550	1420	885	524	2749	1981	1061	47	450			31.1
					10	2726	1518	946	561	2991	2155	1185	51	500			41.1
075	22	0.5	2	1908	1063	663	393	1445	1041	508	21	178	3.7	2097	BABW.055 075 22 /BT /4 /20		
				4	2653	1478	922	546	2475	1784	870	30	327			8.8	
				6	3174	1768	1102	653	3258	2348	1146	39	456			17.7	
				8	3556	1981	1235	732	3901	2811	1372	45	579			31.9	
				10	3790	2112	1316	780	4358	3141	1533	49	681			46.4	
095	22	0.5	2	2484	1377	855	505	1882	1356	747	22	247	3.9	2321	BABW.055 095 22 /BT /4 /20		
				4	3404	1887	1172	691	3189	2298	1266	30	413			9.9	
				6	4077	2260	1403	828	4221	3042	1675	37	565			20.6	
				8	4558	2527	1569	926	5040	3632	2000	43	707			35.9	
				10	4817	2670	1658	978	5543	3995	2200	47	809			51.2	
125	22	1.0	2	3848	2174	1371	823	2172	1565	787	28	334	7.2	3061	BABW.055 125 22 /BT /4 /20		
				4	5357	3027	1909	1146	3771	2718	1367	36	614			17.5	
				6	6373	3601	2271	1363	4999	3603	1812	43	840			35.7	
				8	7233	4087	2577	1547	6209	4475	2251	49	1072			62.8	
				10	7703	4353	2745	1648	6985	5034	2533	53	1226			88.5	
155	22	1.0	2	3691	2102	1334	806	2420	1393	680	25	392	7.2	3567	BABW.055 155 22 /BT /4 /20		
				4	5789	3297	2092	1264	4358	2978	1453	34	706			17.8	
				6	7443	4238	2689	1625	6048	4325	2110	41	990			37.1	
				8	8770	4994	3168	1915	7562	5499	2683	47	1252			65.8	
				10	9585	5457	3463	2093	8596	6282	3065	51	1436			95.0	

Output measured in accordance with EN 1397

\*Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m<sup>3</sup> / reverberation time 0.5 sec.

BABW (Installation in a wall recess)  
BABC (Built-in ceiling)

BT (Bottom Top)  
FT (Front Top)  
BF (Bottom Front)  
FF (Front Front)

# jaga

CLIMATE DESIGNERS

## FREEDOM

Freedom of choice in energy source, installation and application

### **Effective at the lowest water temperatures**

Freedom is super-efficient in combination with any energy source. The lower the water temperature, the clearer the benefits of its power and flexibility! It is the perfect solution for use with heat pumps and new heating systems operating at very low water temperatures.

### **Compact elegant design**

Freestanding Freedom radiators present Jaga's innovative and environmentally friendly Hybrid technology in its most compact and beautiful design yet. From its compact design, it packs a powerful punch and performs much more effectively than a bulky traditional radiator or fan convector and can be sympathetically integrated into any interior design concept.

### **Heating and cooling**

Despite its compact design, Freedom can meet your heating and cooling requirements! It's suitable for non-condensing and condensing cooling using chilled water. Freedom comes fitted with a condensate tray as standard.





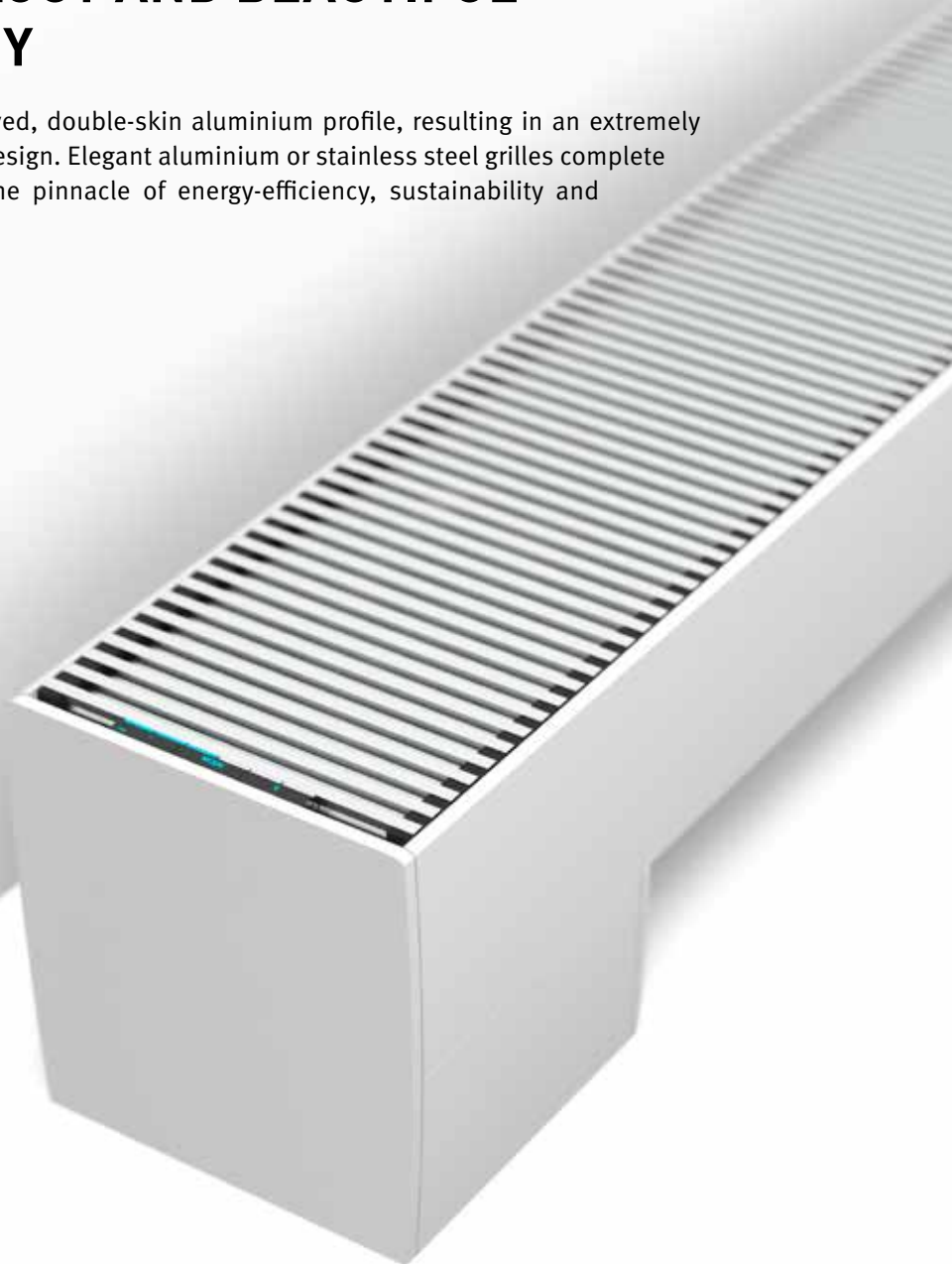
FREEDOM





# THE BEST TECHNOLOGY AND BEAUTIFUL DESIGN IN HARMONY

The casing shell is based on a gently curved, double-skin aluminium profile, resulting in an extremely strong radiator with a stylish and unique design. Elegant aluminium or stainless steel grilles complete the refined finish. Freedom represents the pinnacle of energy-efficiency, sustainability and beautiful design!



## PERFECT FOR FREE COOLING

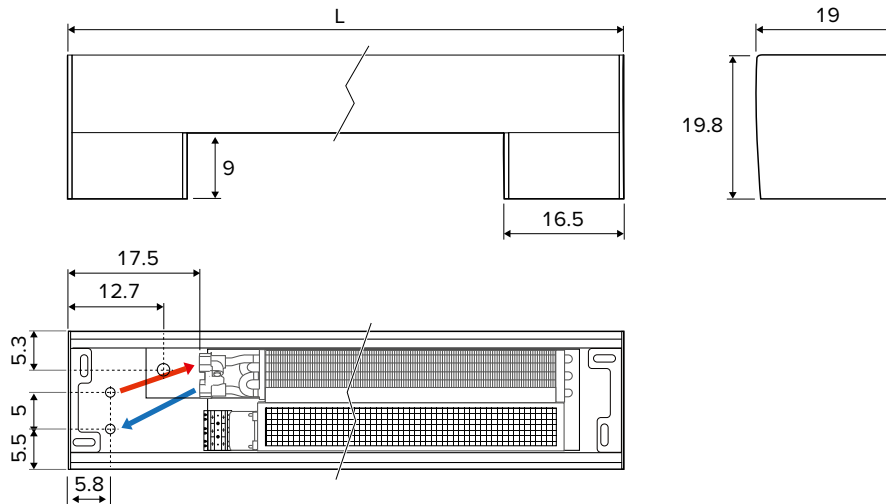
When using water/water heat pumps, summer cooling can be provided using groundwater. This extremely eco-friendly form of cooling will become more and more popular, and may become compulsory in some countries. Freedom is one of the most efficient and environmentally-friendly solutions for this type of climate control



# FREEDOM

75 65 55 45 35 30

## DIMENSIONS (in cm)



## STANDARD DELIVERY

Fully pre-mounted free-standing radiator consisting of:

- aluminium casing
- aluminium cover panels
- aluminium grilles
- dynamic heat exchanger with flexible stainless steel connections 1/2", 15 cm long
- 24 VDC tangential activator(s), with integrated stainless steel filter
- hydraulic and electrical connections integrated in the foot
- pre-assembled JPC with control panel

## COLOURS

Scratch resistant epoxy-polyester finish with a structured satin gloss surface. High UV resistance.

Standard colours:

- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
- sandblast grey (001), fine texture metallic lacquer
- off-black RAL 7021 (145) Soft touch: finely textured matte look, gloss degree < 10%

Other colours: see colour chart

## ELECTRICAL CONNECTION

- 24 VDC clamp connector for electrical connection to be connected to an external power supply

## HYDRAULIC CONNECTION

- allow extra space for curtains between the Freedom casing and the window.
- always install Freedom with the heat exchanger on the window side or on the wall side, not on the room side
- insulate valve and pipes to prevent condensation when cooling

## CONNECTION SETS

With Jaga valve and lockshield



- thermoelectric drive 24 VDC
- valve G1/2" x 3/4" Eurocone 180°
- lockshield G1/2" x 3/4" Eurocone 180°
- pressure drop graph Jaga valve: see p. 338

set 294

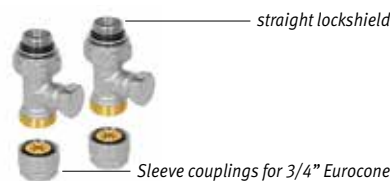
### TWO PIPE

CODY.AA4.24.4... 24 VDC € 99

CODY.AA4.10.4... 24 VDC (0-10 V) € 192

fill in sleeve coupling code

## With 2 lockshields



set 291

### TWO PIPE

CODY.LOS.00.4... € 54

fill in sleeve coupling code

## SLEEVE COUPLINGS EUROCONE

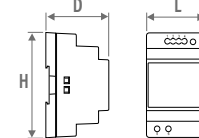
### Precision metal tube

CODE	Tube
112	12/1
114	14/1
115	15/1
116	16/1
118	18/1

### Synthetic or RPE/ALU tube

CODE	Tube
612	12/2
614	14/2
616	16/2
618	18/2
619	16/1.5
620	20/2

## OPTION POWER SUPPLY



CODE	H	L	D
7990.054	9.0	3.5	5.9
7990.055	9.0	5.3	5.9
7990.056	9.0	7.0	5.9
7990.057	9.0	10.3	5.9

- for DIN-rail or wall mounting
- conformity UL60950 / UL508 / IEC 60950-1 / TUV EN61558-2-16 / Klasse 2
- output voltage 24 VDC / input 100 - 240 VAC
- screw connection and LED indicator

CODE	output Watts	Output current A	€
7990.054	36	1.5	48
7990.055	60	2.5	65
7990.056	92	3.9	93
7990.057	150	6.25	187

Required power = sum of the power consumption of the devices

# FREEDOM

DIMENSIONS			POSITION	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C	COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	POWER CONSUMPTION	STANDARD COLOUR GRILLE BNA	STANDARD COLOUR GRILLE BNC/XXX	ORDER CODE
H	L	B		75/65	55/45	45/35	35/30	7/12	7/12	16/18	dB(A)						
cm	cm	cm		Watts	Watts	Watts	Watts	Watts	Watts	Watts							
020 074	19	1	562	335	221	139	172	123	75	15	37	0.8	843	972	FDCE.020 074 19 /XXX		
		2	792	472	311	196	268	194	118	23	52	1.3					
		3	1218	726	478	301	466	346	210	34	79	3.0					
110	19	1	1122	669	441	278	342	245	148	19	75	1.3	1160	1334	FDCE.020 110 19 /XXX		
		2	1580	943	621	391	535	388	235	29	98	2.7					
		3	2433	1451	956	602	931	691	419	37	160	7.1					
145	19	1	1687	1006	663	417	513	368	223	20	112	2.1	1617	1861	FDCE.020 145 19 /XXX		
		2	2375	1417	933	588	804	583	353	30	150	4.0					
		3	3656	2181	1436	905	1398	1037	628	39	239	10.1					
181	19	1	2249	1341	884	557	687	492	298	22	150	2.5	1829	2104	FDCE.020 181 19 /XXX		
		2	3168	1890	1245	784	1072	777	471	32	196	5.4					
		3	4877	2909	1916	1207	1866	1384	839	41	320	14.1					

Output measured in accordance with EN 16430

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

enter grille code



# FREEDOM

## CODE STRUCTURE - OVERVIEW COLOUR COMBINATIONS



Freedom Clima **FDCF. 020 181 19. 133.** /BNA

code height length width colour grille code

**Standard colours:**  
 traffic white RAL 9016 (133)  
 sandblast grey (001)

**Other colours:**  
 see colour chart

**Freedom Clima:**  
 Grille aluminium natural: BNA  
 Grille aluminium lacquered: BNC/2XX  
 enter colour code

## EXAMPLES

with standard colours



with other colours



Create your own



Design your own print  
 For more information contact Jaga:  
 ☎ +32 29 41 12 - ✉ export@jaga.be  
 or your local dealer

## COMPOSITION

**Freedom:**

**Natural anodized aluminium grilles with**  
 aerodynamically designed fin profiles for improved  
 air movement

**Stainless steel flexible connections**  
 1/2", 15 cm long

**Electrical connection**

**Pre-assembled Jaga Dynamic Product  
 Controller (JDPC) with control panel**

**Inner casing**  
 in black painted steel plate

**Condensate tray**  
 with outlet spigot ø 10 mm

**Dynamic Low-H<sub>2</sub>O heat exchanger** in  
 copper and aluminium, electrostatically  
 black painted. With "click" steel fastening  
 for easy maintenance

**Tangential activator(s)** with ball-  
 bearing 24VDC EC-motorsaving  
 up to 50% in electricity consump-  
 tion. With soundproof EPDM  
 damperg

**Integrated air filter** in stain-  
 less steel, with steel click  
 fixing for easy maintenance

**Cover-up panels**  
 in aluminium

**asing**  
 in double-skin aluminium





# jaga

CLIMATE DESIGNERS

## CLIMA CANAL

Complete climate control

### **Very high power level for heating and cooling**

A very high power level for heating and cooling. Despite its compact dimensions, the Clima Canal is very powerful. It's compatible with any heat source, and perfect for low temperature heat pumps. Suitable for both light cooling (non-condensing) and deep cooling. All Clima Canal units with a height of 10/13/19 come equipped with a condensation drain and have been developed to quietly generate high power levels within a compact space.

### **Ventilate comfortably**

Jaga Clima Canal can optionally be provided with a ventilation connection. The Clima Canal can thus provide comfortable and pre-heated ventilation while being completely integrated into the floor.

### **With energy-efficient EC- motors**

By making use of the latest EC-motors, the Clima Canal units use 50 % less electrical energy. Moreover, these EC-motors can be controlled through the latest home automation systems via their 0-10 VDC speed control.

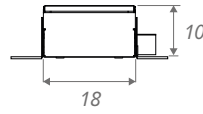
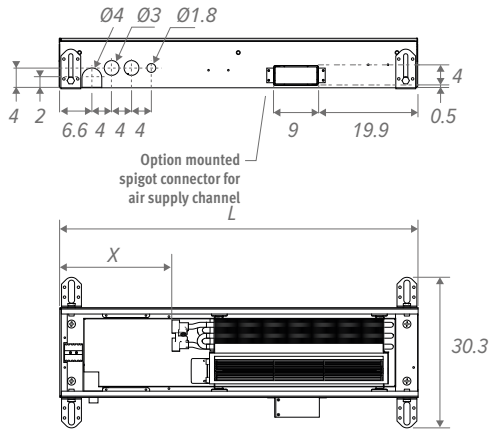




CLIMA CANAL 10-13 - 19

# CLIMA CANAL 10 - SUMMARY

## DIMENSIONS (in cm)



Our Clima Canal allows for a continuous installation.

L	L through-mounting	X
72.3	72.1	23.0
108.3	108.1	23.0
144.3	144.1	18.5
180.3	180.1	15.0

Building in-opening: +0.5 cm

## HYDRAULIC CONNECTION

- one-sided 2-pipe connection on the left
- always install Clima Canal with the heat exchanger on the window or wall side
- 2 x 1/2" stainless steel hose included
- allow extra space for curtains, in between the window and the canal.
- The heat exchanger must always be kept accessible for maintenance purposes
- if the appliance is not mounted flat on the floor, the space between the bottom of the appliance and the floor should be filled with a stable filler material.

## ELECTRIC CONNECTION

- clamp connector for 24VDC electrical connection, left side, to be connected via external power supply.
- control of speed activator(s) 0-10V

## COMPOSITION

### Cover plate

### grille

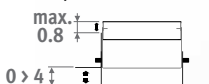
several styles and colours in anodized aluminium and a range of wood finishes

**Stainless steel flexible connections** 1/2". Length 15 cm

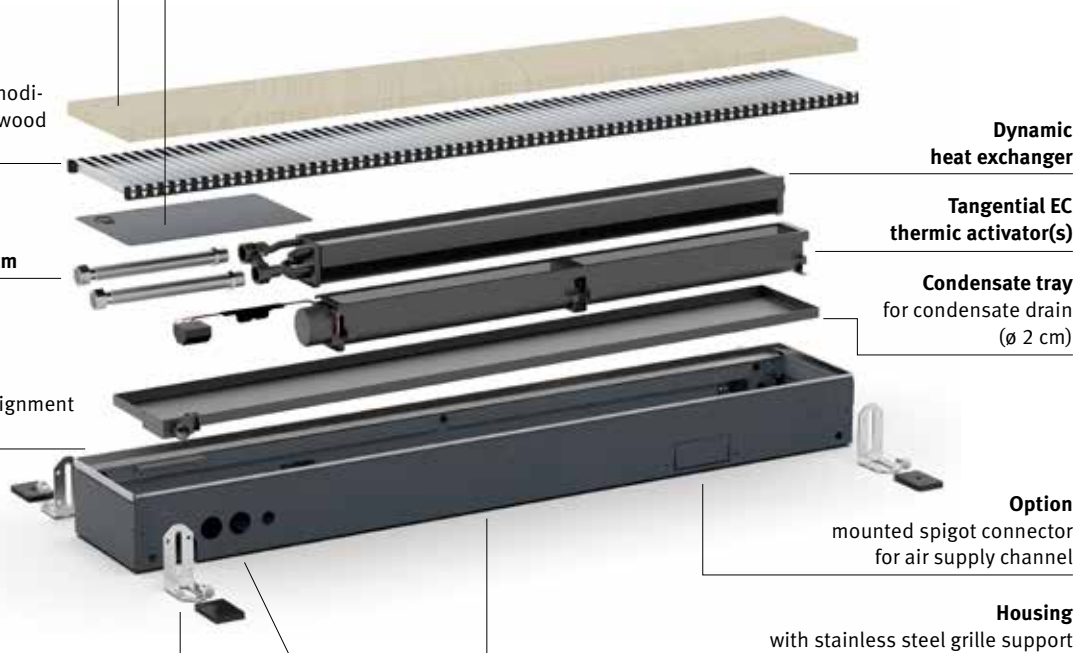
### Fine adjustment

to max. 0.8 cm, for a perfect alignment with the finished floor

**Fine adjustment** 10 > 10.8 cm



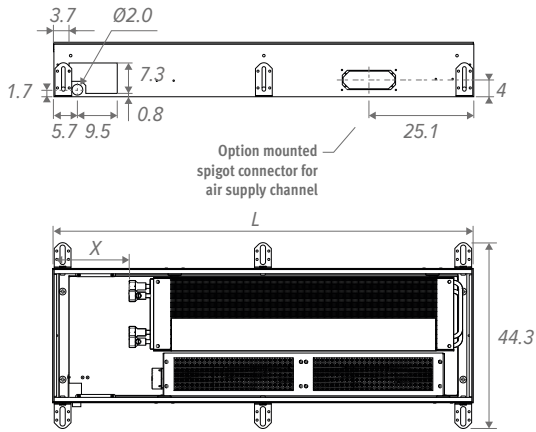
**Feet with height adjustment** 0 > 4.5 cm  
Provided with acoustic decoupling.



**Electric connection & Hydraulic connection** (always left)

# SUMMARY ■ CLIMA CANAL 13

## DIMENSIONS (in cm)



Our Clima Canal allows for a continuous installation.

L	L through-mounting	X
70.3	70.1	18.3
100.3	100.1	18.3
120.3	120.1	18.3
140.3	140.1	18.3
170.3	170.1	18.3
200.3	200.1	18.3
230.3	230.1	18.3
280.3	280.1	18.3

Building in-opening: +0.5 cm

## HYDRAULIC CONNECTION

- 2-pipe: the two-pipe heat exchangers with single-sided connection are always connected to the left of a two-pipe installation
- 4-pipe: the 4-pipe heat exchanger with one-sided connection on the left always has to be connected to an installation with two separated hydraulic systems
- always install Clima Canal with the heat exchanger on the window or wall side
- 2 x 1/2" stainless steel hose included
- allow extra space for curtains, in between the window and the canal.
- The heat exchanger must always be kept accessible for maintenance purposes
- if the appliance is not mounted flat on the floor, the space between the bottom of the appliance and the floor should be filled with a stable filler material.

## ELECTRIC CONNECTION

- clamp connector for 24VDC electrical connection, left side, to be connected via external power supply.
- control of speed activator(s) 0-10V

## COMPOSITION

### Cover plate

### grille

several styles and colours in anodized aluminium and a range of wood finishes

### Stainless steel flexible connections 1/2". Length 15 cm

### Fine adjustment

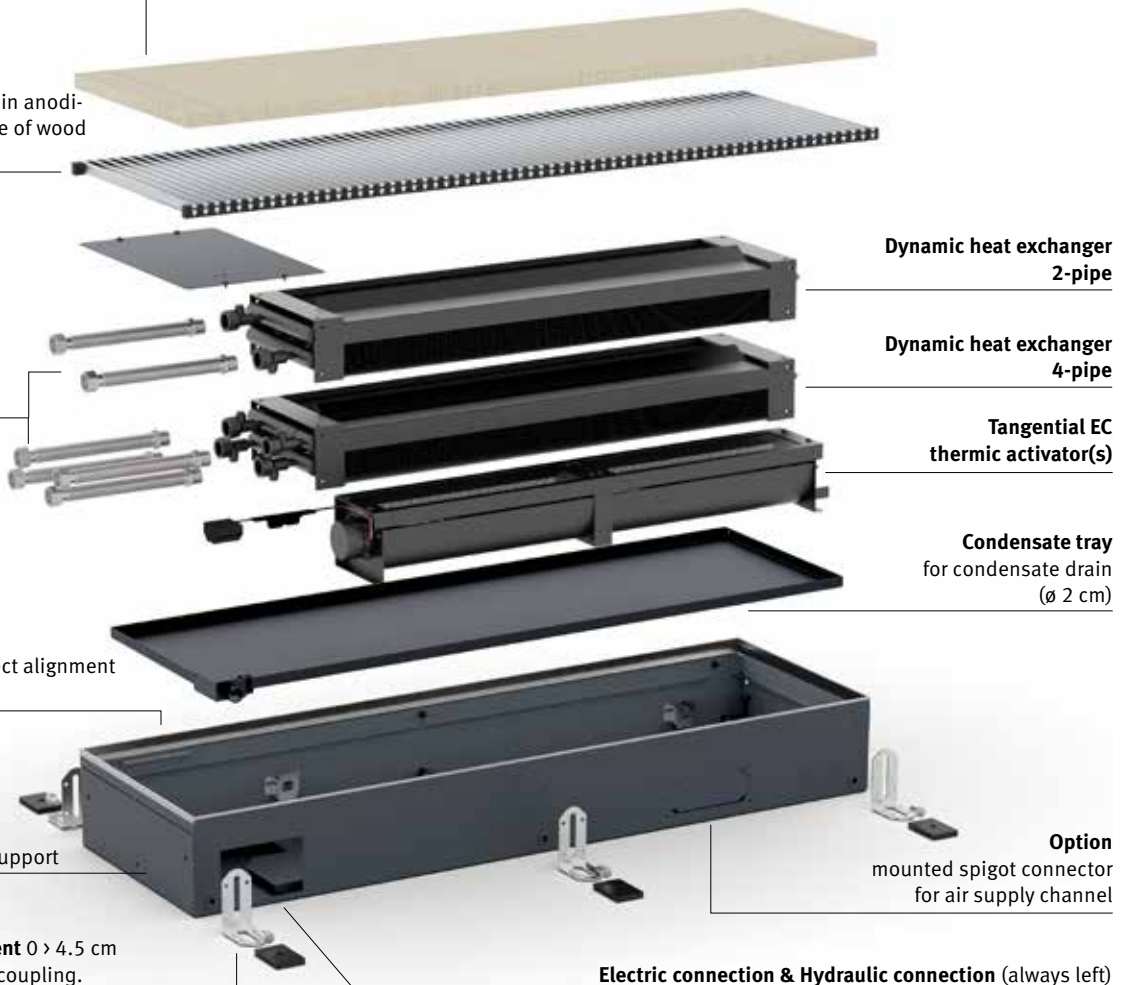
to max. 0.8 cm, for a perfect alignment with the finished floor

### Housing

with stainless steel grille support

### Feet with height adjustment 0 > 4.5 cm

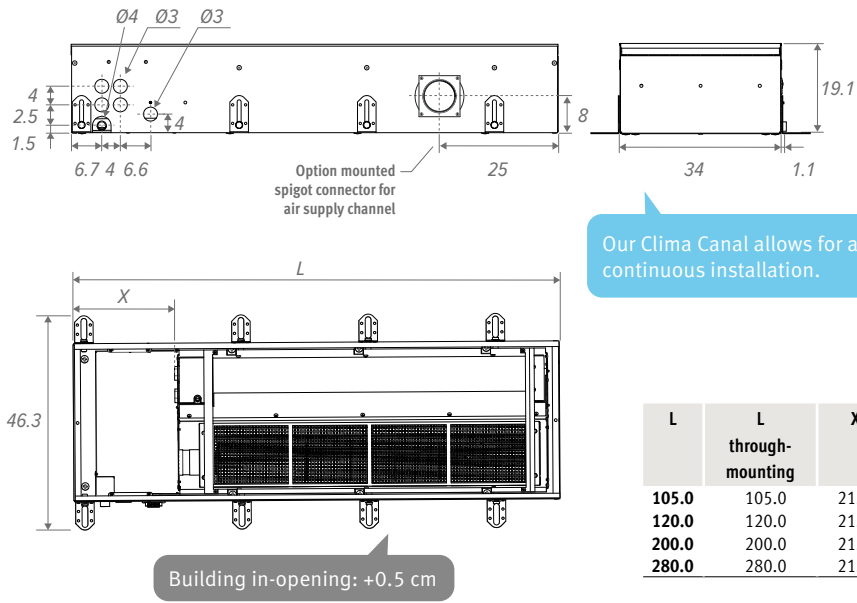
Provided with acoustic decoupling.



Electric connection & Hydraulic connection (always left)

# CLIMA CANAL 19 - SUMMARY

## DIMENSIONS (in cm)



## HYDRAULIC CONNECTION

- 2-pipe: the two-pipe heat exchangers with single-sided connection are always connected to the left of a two-pipe installation
- 4-pipe: the 4-pipe heat exchanger with one-sided connection on the left always has to be connected to an installation with two separated hydraulic systems
- always install Clima Canal with the heat exchanger on the window or wall side
- 2 x 1/2" stainless steel hose included
- allow extra space for curtains, in between the window and the canal.
- The heat exchanger must always be kept accessible for maintenance purposes
- if the appliance is not mounted flat on the floor, the space between the bottom of the appliance and the floor should be filled with a stable filler material.

## ELECTRIC CONNECTION

- clamp connector for 24VDC electrical connection, left side, to be connected via external power supply.
- control of speed activator(s) 0-10V

## COMPOSITION

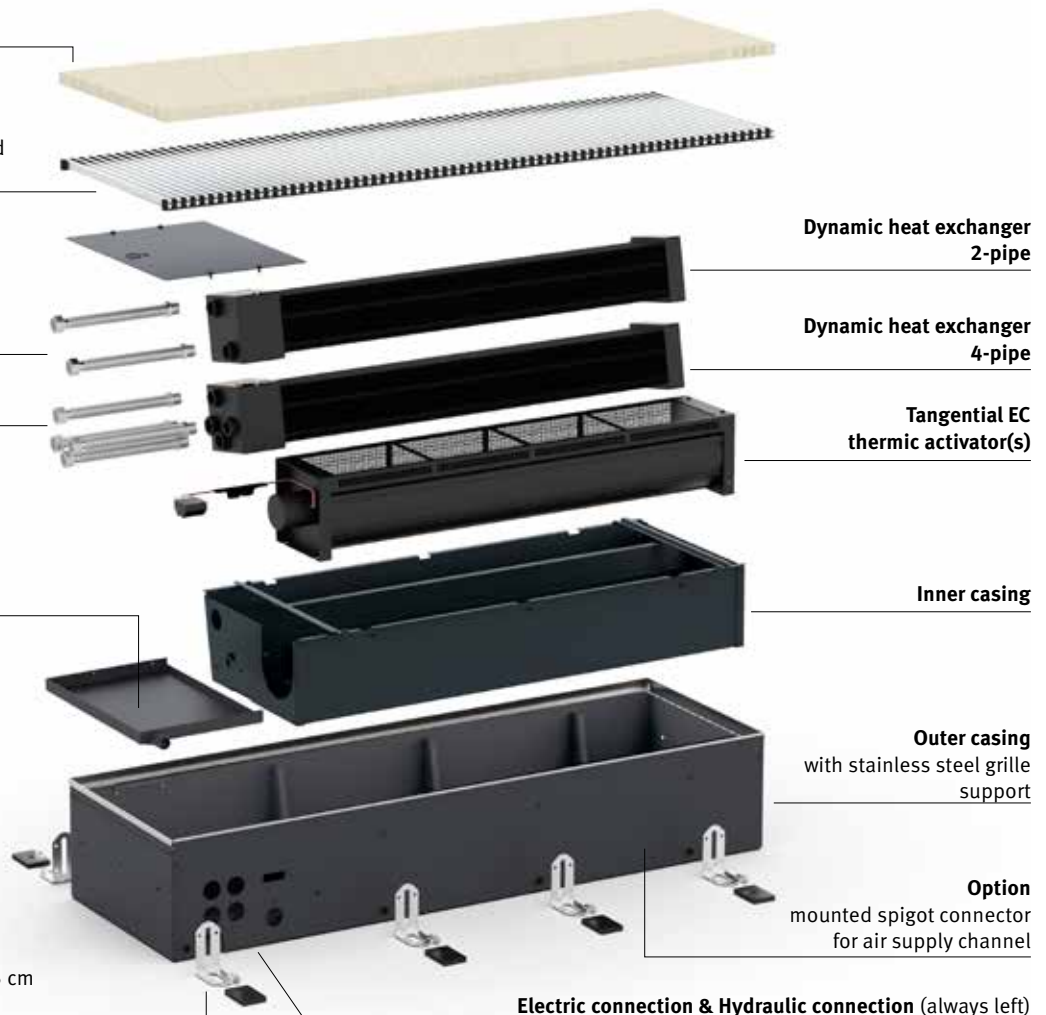
### Cover plate

**grille**  
several styles and colours in anodized aluminium and a range of wood finishes

**Stainless steel flexible connections 1/2".**  
Length 15 cm

**Condensate tray**  
for condensate drain (ø 2 cm)

**Feet with height adjustment 0 > 4.5 cm**  
Provided with acoustic decoupling.



# OVERVIEW GRILLES - CLIMA CANAL 10-13-19

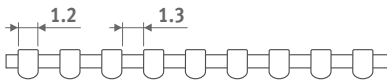
## Wooden grilles



**BON** Oak  
**BOV** Oak varnished



**BBN** Beech  
**BBV** Beech varnished



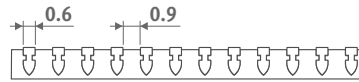
## Aluminium grilles



**BNA** Alu. natural



**BNC/XXX** Alu. lacquered



*Our grilles are available in all colours, with the exception of Sandblast grey 001. In case of intensive use (placement in circulation areas, for example in front of sliding windows and doors), wear is, of course, inevitable.*



**Height 19**  
2- and 4-pipe

**Height 13**  
2- and 4-pipe

**Height 10**  
2-pipe

**Height 08**  
2-pipe



P. 256

# CLIMA CANAL - OPTIONS

## CLOCK THERMOSTATS HEATING / COOLING

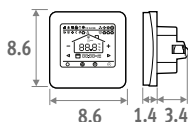
The general characteristics in bold below are valid for the thermostats 8751.050013 - 8751.050012 - 8751.050009 - 8751.050017

- **automatic thermostat for 2-pipe: heating/cooling or auto**
- **ventilator speed: min./med./max. or auto**
- **power supply 24 VDC**
- **output control(s) 0-10 VDC**
- **1 clock thermostat per room**
- **programmable zones**
- **LCD display with background lighting**
- **protection category IP30**

## FOR RECESSED MOUNTING

**NEW**

### Jaga clock thermostat for recessed/panel mounting JRT-100TW



Touchscreen



Wi-Fi

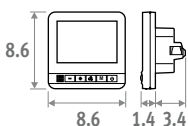


App

- LCD touchscreen with background lighting
- control via WIFI (smartphone app)
- programmable time zones 7 days (1-7)
- control valves 24 VDC heating/cooling
- thermostat to be mounted in a junction box
  - spacing holes at 6 cm
  - minimum depth 4.5 cm
  - inner dimension 5 x 5 cm or Ø 6 cm

CODE			€
8751.050017	recessed/panel mounted	White	177
8751.050019	recessed/panel mounted	Black	177

### Jaga clock thermostat for recessed/panel mounting

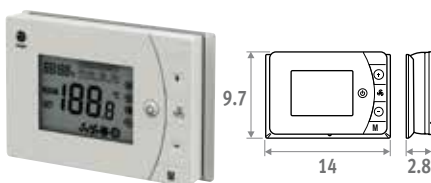


- control valves 24 VDC heating/cooling
- thermostat to be mounted in a junction box
  - spacing holes at 6 cm
  - minimum depth 4.5 cm
  - inner dimension 5 x 5 cm or Ø 6 cm

CODE		€
8751.050012	recessed/panel mounted	106

## FOR WALL MOUNTING

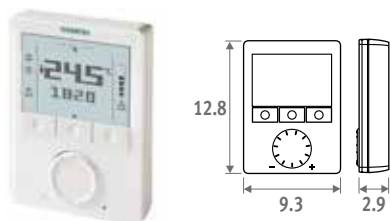
### Jaga clock thermostat for wall mounting



- 2 potential-free contacts heating/cooling (f.e. valve control 24 VDC or 230 VAC)
- with key card contact / window contact
- can be mounted on a junction box with screw holes at 6 cm

CODE		€
8751.050013	wall mounted	100

### Siemens clock thermostat for wall mounting



- unlimited adjustment possibilities: 74 features and diagnostic test

For more information contact Jaga:

☎ +32 11 29 41 12 - ✉ export@jaga.be

CODE		€
8751.050009	wall mounted	315

## PRE-ASSEMBLED JAGA DYNAMIC PRODUCT CONTROLLER (JDPC)

**Multifunctional controller for dynamic heating and cooling devices provided with one or more built-in fans. The Jaga Dynamic Product Controller is pre-configured and assembled inside the device. The configuration options are device dependent, and are selected using the code shown on the sticker in the device.**

- control per appliance
- control with operation and with sensor for water temperature, pre-configured and assembled by Jaga
- power supply 24 VDC
- heating / cooling/ standby
- ventilator settings:
  - o standby
  - o heating: 3 speeds (operates at water temperature >28°C, can easily be modified)
  - o cooling: 3 speeds (operates at water temperature <18°C, can easily be modified)
- 0-10 V input for building management system/thermostats/DPC.CC71-72

For more information contact Jaga

☎ +32 11 29 41 12 - ✉ export@jaga.be

CODE		€
DPC.CC24	Heating	96
DPC.CC25	Heating and cooling	103

Touch operation

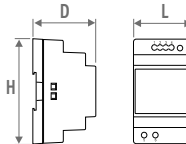


Product controller

## POWER SUPPLY DIN-RAIL MONTAGE



The guarantee is only valid if the original Jaga power supply is used.



CODE	H	L	D
7990.054	9.0	3.5	5.9
7990.055	9.0	5.3	5.9
7990.056	9.0	7.0	5.9
7990.057	9.0	10.3	5.9

- for DIN-rail or wall mounting
- conformity UL60950 / UL508 / IEC 60950-1 / TUV EN61558-2-16 / Class 2
- output voltage 24 VDC / input 100 - 240 VAC
- screw connection and LED indicator

CODE	Output Watts	Output current A	€
7990.054	36	1.5	48
7990.055	60	2.5	65
7990.056	92	3.9	93
7990.057	150	6.25	187

Required power = sum of the power consumption of the devices

## MAXIMUM CABLE LENGTH

in function of the number of devices: see <http://www.jaga.com/en/products/trench-heating/clima-canal>

## SEPARATE POWER SUPPLY

Waterproof power supply 24 VDC/40 Watt with waterproof cable gland.



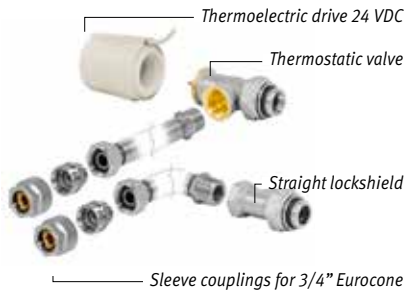
Clima Canal 10: Not suitable for installation in the floor duct.

- conformity: UL60950 - EN 60950 / Class 2
- output voltage 24 VDC
- input voltage 100 - 240 VAC
- dimensions L 14.5 x B 4.5 x H 3.0 cm

CODE	output Watts	Output current A	€
37603.010002	40	1.67	93



## CONNECTION SET WITH JAGA TWO-WAY VALVE 24 VDC



- 24 VDC thermoelectric drive
- valve G1/2" x G1/2" 90°
- lockshield G1/2" x G1/2" 180°
- pressure drop graph Jaga valve: see p. 338

set  
297

**Kv max. 0.8 - Presetting in 6 steps**

**TWO PIPE**

€

CODY.JA4.24.4...		24 VDC	<b>104</b>
CODY.JA4.10.4...		0...10 VDC	<b>203</b>

set  
298

**Kv 1.0 - without pre-setting**

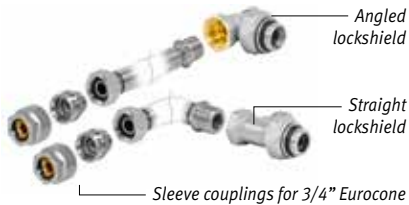
**TWO PIPE**

€

CODY.WA4.24.4...		24 VDC	<b>108</b>
CODY.WA4.10.4...		0...10 VDC	<b>205</b>

fill in sleeve coupling code:

## CONNECTION SET WITH 2 LOCKSHIELDS G 1/2"



set  
299

€

CODY.LOM.00.4...	<b>46</b>
------------------	-----------

fill in sleeve coupling code:

## SLEEVE COUPLINGS EUROCONE

### Precision metal tube

CODE	Tube
112	12/1
114	14/1
115	15/1
116	16/1
118	18/1

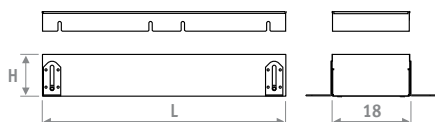
### Synthetic or RPE/ALU tube

CODE	Tube	CODE	Tube
612	12/2	619	16/1.5
614	14/2	620	20/2
616	16/2		
618	18/2		

# CLIMA CANAL 10-13-19 - OPTIONS

## EMPTY HOUSING

To fill open spaces for a continuous installation.



- aluminium or Designo wooden grille
- casing with stainless steel grille support
- height adjustment:  
Clima Canal 10: 10 > 14 cm  
Clima Canal 13: 13 > 17 cm  
Clima Canal 19: 19 > 23 cm
- fine adjustment for alignment with the finished floor
- cover plate

### Clima Canal 10

ORDERING CODE	CLCD.	code	height	length	width	grille
		010	072	18	BNA	

H	L	BNA	BNC/XXX	BOV
		BON		BBV
		BBN		
010	072	503	581	554
	108	775	891	854
	144	891	1024	979
	180	1006	1158	1108

### Clima Canal 13

ORDERING CODE	CCLD.	code	height	length	width	grille
		013	072	32	BNA	

H	L	BNA	BNC/XXX	BOV
		BON		BBV
		BBN		
013	070	468		
	100	615		
	120	775		
	140	821		
	170	1017		
	200	1139		
	230	1277		
	280	1436		
	300	1645		

### Clima Canal 19

ORDERING CODE	CCAD.	code	height	length	width	grille
		019	105	34	BNA	

H	L	BNA	BNC/XXX	BOV
		BON		BBV
		BBN		
019	105	689		
	120	753		
	200	1205		
	280	1519		

## MOUNTED SPIGOT CONNECTOR FOR AIR SUPPLY CHANNEL

### CLIMA CANAL 10 - 13

Height 4 x length 9 cm



CODE	€
/VEN	80

Add /VEN to the code of Clima Canal.  
Example: CLCM. 010 072 18 /XXX /VEN

### CLIMA CANAL 19

Diameter toevoer: ø8 - 10 - 12.5 cm



CODE	€
/VENA ø 08 cm	81
/VENB ø 10 cm	81
/VENC ø 12.5 cm	81

Add /VEN to the code of Clima Canal.  
Example: CCAF. 019 105 34 /XXX /VEN

## CORNER PIECE



- aluminium grille natural or lacquered
- casing with stainless steel grille support
- height adjustment:  
Clima Canal 10: 10 > 14 cm  
Clima Canal 13: 13 > 17 cm  
Clima Canal 19: 19 > 23 cm
- fine adjustment for alignment with the finished floor

### Clima Canal 10

ORDERING CODE	CLCD.	code	height	length	width	grille
		010	025	18	BNA	

H	L	BNA	BNC/XXX
010	025	665	825

### Clima Canal 013

ORDERING CODE	CCLD.	code	height	length	width	grille
		013	038	32	BNA	

H	L	BNA	BNC/XXX
013	038	665	825

### Clima Canal 019

ORDERING CODE	CCAD.	code	height	length	width	grille
		019	040	34	BNA	

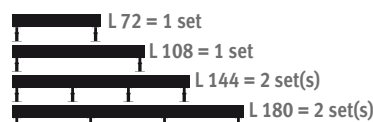
H	L	BNA	BNC/XXX
019	040	665	825

## FEET WITH HEIGHT ADJUSTMENT FOR RAISED FLOORS



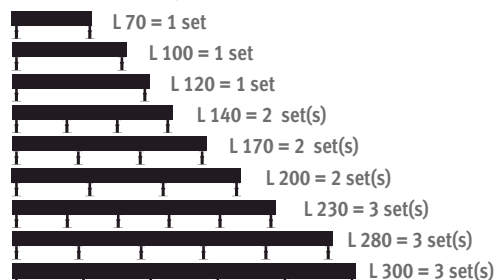
- gelakt in donkergrijs RAL 7024
- gemakkelijke montage d.m.v. schroeven
- 1 set bevat 2 hoogteregelingen

### Aantal sets per lengte Clima Canal 10



CODE	H	€/set
5209.05070000	5 > 7 cm	73
5209.08130000	8 > 13 cm	73
5209.13230000	13 > 23 cm	76
5209.20300000	20 > 30 cm	78

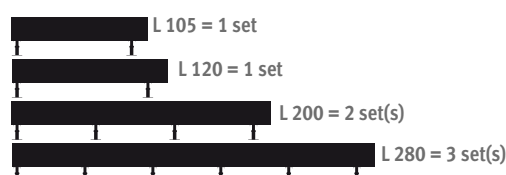
### Number of sets per Clima Canal 13



CODE	H	€/set
5213.05070000	5 > 7 cm	78
5213.08130000	8 > 13 cm	78
5213.13230000	13 > 23 cm	78
5213.20300000	20 > 30 cm	78



### Number of sets per Clima Canal 19



CODE	H	€/set
5212.05070000	5 > 7 cm	78
5212.08130000	8 > 13 cm	78
5212.13230000	13 > 23 cm	78
5212.20300000	20 > 30 cm	78

# 2-PIPE ■ CLIMA CANAL 10

## STANDARD DELIVERY

- casing in Sendzimir-galvanised steel sheet (RAL7024) with height adjustment and stainless steel grille support
- anodized aluminium grille(s)
- dynamic heat exchanger
- 2 stainless steel flexible connections 1/2", length 15 cm.
- thermal activator(s), (tangential mini activator)
- Feet with height adjustment 0 > 4.5 cm, provided with acoustic decoupling
- Cover plate



DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C	COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CONSUMPTION	BNA / BON / BBN	BNC	BOV / BBV	ORDER CODE
H	L	B		U	75/65	55/45	45/35	35/30	7/12	7/12	16/18				dB(A)	m³/h	Watts	
cm	cm	cm	V	Watts	Watts	Watts	Watts	Watts	Watts	Watts								
<b>010 072 18</b>	<b>2</b>			276	165	108	68	65	42	30	14	24	0.5	<b>932</b>	<b>1069</b>	<b>1023</b>	CLCM .010 072 18 /XXX	
	<b>4</b>			496	296	195	123	148	96	66	15	37	0.8					
	<b>6</b>			699	417	275	173	244	161	104	23	52	1.3					
	<b>8</b>			891	531	350	220	348	234	144	28	68	2.1					
	<b>10</b>			1075	641	422	266	451	307	185	34	79	3.0					
<b>108 18</b>	<b>2</b>			569	339	224	141	135	87	62	15	42	0.6	<b>1278</b>	<b>1472</b>	<b>1406</b>	CLCM .010 108 18 /XXX	
	<b>4</b>			1021	609	401	253	302	197	135	19	75	1.3					
	<b>6</b>			1438	858	565	356	502	332	214	29	98	2.7					
	<b>8</b>			1834	1094	720	454	715	480	296	32	125	4.6					
	<b>10</b>			2214	1320	870	548	929	632	381	37	160	7.1					
<b>144 18</b>	<b>2</b>			894	533	351	221	211	135	97	16	66	1.1	<b>1782</b>	<b>2049</b>	<b>1962</b>	CLCM .010 144 18 /XXX	
	<b>4</b>			1605	957	631	397	474	309	212	20	112	2.1					
	<b>6</b>			2260	1348	888	559	788	521	336	30	150	4.0					
	<b>8</b>			2881	1718	1132	713	1124	754	465	35	193	6.6					
	<b>10</b>			3479	2075	1367	861	1457	992	598	39	239	10.1					
<b>180 18</b>	<b>2</b>			1219	727	479	302	287	184	132	18	84	1.2	<b>2015</b>	<b>2318</b>	<b>2216</b>	CLCM .010 180 18 /XXX	
	<b>4</b>			2188	1305	860	541	649	423	290	22	150	2.5					
	<b>6</b>			3082	1838	1211	763	1074	711	458	32	196	5.4					
	<b>8</b>			3929	2343	1543	972	1532	1028	634	37	250	9.1					
	<b>10</b>			4744	2829	1864	1174	1989	1354	816	41	320	14.1					

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

fill in grille code

# CLIMA CANAL 13 - 2-PIPE

## STANDARD DELIVERY

- casing in Sendzimir-galvanised steel sheet (RAL7024) with height adjustment and stainless steel grille support
- anodized aluminium grille(s)
- dynamic heat exchanger
- 2 stainless steel flexible connections 1/2", length 15 cm.
- thermal activator(s), (tangential mini activator)
- Feet with height adjustment 0 > 4.5 cm, provided with acoustic decoupling
- Cover plate



Clima Canal 13 is also available in L 300. Technical info: see selection tools.

DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C	COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CONSUMPTION	BNA / BON / BBN	BNC	BOV / BBV	ORDER CODE
H	L	B		75/65	55/45	45/35	35/30	7/12	7/12	16/18	dB(A)							
cm	cm	cm	V	Watts	Watts	Watts	Watts	Watts	Watts	Watts								
013	070	32	2	313	187	123	77	147	104	67	16.0	35	1.0	1643			CCLF.013 070 32 /XXX	
			4	692	413	272	171	275	197	122	19.0	44	1.6					
			6	1031	615	405	255	394	285	175	27.0	85	3.2					
			8	1331	794	523	329	492	361	224	35.0	117	5.9					
			10	1592	949	625	394	562	417	271	38.0	137	8.8					
100	32	2	593	354	233	147	278	197	128	20.0	44	1.0	1954			CCLF.013 100 32 /XXX		
		4	1311	782	515	324	522	373	232	25.0	85	1.8						
		6	1955	1166	768	484	746	541	331	29.0	133	3.2						
		8	2523	1505	991	624	932	684	425	36.0	168	6.4						
		10	3017	1799	1185	747	1065	790	515	39.0	202	10.3						
120	32	2	780	465	306	193	366	259	168	20.0	49	1.4	2583			CCLF.013 120 32 /XXX		
		4	1724	1028	677	427	686	491	305	26.0	114	2.4						
		6	2570	1533	1010	636	981	711	435	30.0	174	4.2						
		8	3318	1979	1303	821	1226	899	559	37.0	235	7.2						
		10	3967	2366	1558	982	1401	1039	677	40.0	273	10.6						
140	32	2	966	576	380	239	454	321	208	21.5	79	2.0	2638			CCLF.013 140 32 /XXX		
		4	2137	1275	840	529	850	609	378	26.0	129	3.4						
		6	3186	1900	1252	788	1216	881	539	31.0	218	6.4						
		8	4113	2453	1616	1018	1520	1114	693	38.5	285	12.3						
		10	4917	2933	1932	1217	1736	1288	839	41.5	339	19.1						
170	32	2	1246	743	490	308	585	414	268	22.0	84	2.4	3328			CCLF.013 170 32 /XXX		
		4	2757	1644	1083	682	1097	785	487	27.0	158	4.0						
		6	4110	2451	1614	1017	1569	1137	696	32.0	259	7.4						
		8	5305	3164	2084	1313	1960	1437	894	39.0	352	13.1						
		10	6343	3783	2492	1570	2239	1661	1082	42.0	410	19.4						
200	32	2	1527	910	600	378	717	507	328	23.0	93	2.4	3764			CCLF.013 200 32 /XXX		
		4	3376	2014	1326	835	1343	962	596	28.5	199	4.2						
		6	5033	3002	1977	1245	1921	1392	852	32.5	307	7.4						
		8	6497	3875	2552	1608	2401	1760	1095	39.5	403	13.6						
		10	7768	4633	3052	1922	2742	2034	1325	42.5	475	20.9						
230	32	2	1807	1077	710	447	849	600	389	23.0	98	2.8	4488			CCLF.013 230 32 /XXX		
		4	3996	2383	1570	989	1590	1138	706	29.0	228	4.8						
		6	5957	3552	2340	1474	2274	1647	1008	33.0	348	8.4						
		8	7689	4586	3021	1903	2841	2083	1295	40.0	470	14.4						
		10	9193	5483	3611	2275	3246	2407	1568	43.0	546	21.2						
280	32	2	2273	1356	893	563	1068	755	489	24.0	133	3.8	5279			CCLF.013 280 32 /XXX		
		4	5028	2999	1975	1244	2000	1432	888	29.5	272	6.4						
		6	7496	4470	2945	1855	2862	2073	1269	34.0	433	11.6						
		8	9676	5771	3801	2394	3575	2621	1630	41.0	587	20.3						
		10	11569	6900	4545	2863	4084	3029	1973	44.0	683	30.0						

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

fill in grille code

# 4-PIPE ■ CLIMA CANAL 13

## STANDARD DELIVERY

- casing in Sendzimir-galvanised steel sheet (RAL7024) with height adjustment and stainless steel grille support
- anodized aluminium grille(s)
- dynamic heat exchanger
- 4 stainless steel flexible connections 1/2", length 15 cm.
- thermal activator(s), (tangential mini activator)
- Feet with height adjustment 0 > 4.5 cm, provided with acoustic decoupling
- Cover plate



Clima Canal 13 is also available in L 300. Technical info: see selection tools.

DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C	COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CON-SUMPTION	BNA / BON / BBN	BNC	BOV / BBV	ORDER CODE
H	L	B		U	75/65	55/45	45/35	35/30	7/12	7/12	16/18							
cm	cm	cm	V	Watts	Watts	Watts	Watts	Watts	Watts	Watts								
013	070	32	2	268	160	105	66	141	100	65	16.0	35	1.0	1820				QCLF .013 070 32 /XXX
			4	535	319	210	132	264	189	117	19.0	44	1.6					
			6	755	450	297	187	381	276	169	27.0	85	3.2					
			8	927	553	364	229	480	352	219	35.0	117	5.9					
			10	1053	628	414	260	553	410	267	38.0	137	8.8					
100	32	2	2	509	303	200	126	267	189	122	20.0	44	1.0	2115				QCLF .013 100 32 /XXX
			4	1014	605	398	251	501	359	222	25.0	85	1.8					
			6	1431	853	562	354	721	523	320	29.0	133	3.2					
			8	1758	1048	690	435	909	666	415	36.0	168	6.4					
			10	1995	1190	784	494	1049	778	507	39.0	202	10.3					
120	32	2	2	669	399	263	166	352	249	161	20.0	49	1.4	2707				QCLF .013 120 32 /XXX
			4	1334	796	524	330	659	472	293	26.0	114	2.4					
			6	1881	1122	739	466	949	687	421	30.0	174	4.2					
			8	2311	1378	908	572	1195	876	545	37.0	235	7.2					
			10	2624	1565	1031	649	1379	1023	666	40.0	273	10.6					
140	32	2	2	829	494	326	205	436	308	200	21.5	79	2.0	2806				QCLF .013 140 32 /XXX
			4	1653	986	649	409	817	585	363	26.0	129	3.4					
			6	2332	1391	916	577	1176	852	521	31.0	218	6.4					
			8	2865	1709	1125	709	1482	1086	676	38.5	285	12.3					
			10	3252	1940	1278	805	1710	1268	826	41.5	339	19.1					
170	32	2	2	1069	638	420	265	562	398	258	22.0	84	2.4	3463				QCLF .013 170 32 /XXX
			4	2133	1272	838	528	1053	754	468	27.0	158	4.0					
			6	3008	1794	1182	744	1517	1099	672	32.0	259	7.4					
			8	3695	2204	1452	914	1911	1401	872	39.0	352	13.1					
			10	4195	2502	1648	1038	2205	1636	1065	42.0	410	19.4					
200	32	2	2	1310	781	514	324	688	487	315	23.0	93	2.4	4210				QCLF .013 200 32 /XXX
			4	2612	1558	1026	646	1290	923	573	28.5	199	4.2					
			6	3684	2197	1447	912	1857	1346	823	32.5	307	7.4					
			8	4526	2699	1778	1120	2341	1716	1067	39.5	403	13.6					
			10	5138	3064	2018	1271	2701	2003	1305	42.5	475	20.9					
230	32	2	2	1550	924	609	384	815	576	373	23.0	98	2.8	4621				QCLF .013 230 32 /XXX
			4	3091	1843	1214	765	1527	1093	678	29.0	228	4.8					
			6	4360	2600	1713	1079	2198	1592	975	33.0	348	8.4					
			8	5356	3194	2104	1325	2770	2031	1263	40.0	470	14.4					
			10	6080	3626	2389	1505	3196	2371	1544	43.0	546	21.2					
280	32	2	2	1950	1163	766	483	1025	725	470	24.0	133	3.8	5532				QCLF .013 280 32 /XXX
			4	3890	2320	1528	963	1921	1375	853	29.5	272	6.4					
			6	5486	3272	2155	1358	2766	2004	1226	34.0	433	11.6					
			8	6740	4020	2648	1668	3486	2556	1590	41.0	587	20.3					
			10	7651	4563	3006	1893	4022	2983	1943	44.0	683	30.0					

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

fill in grille code

# CLIMA CANAL 19 - 2-PIPE

## STANDARD DELIVERY

- casing in Sendzimir-galvanised steel sheet (RAL7024) with height adjustment and stainless steel grille support
- anodized aluminium grille(s)
- dynamic heat exchanger
- 2 stainless steel flexible connections 1/2", length 15 cm.
- thermal activator(s), (tangential mini activator)
- Feet with height adjustment  $\Delta > 4.5$  cm, provided with acoustic decoupling
- Cover plate



DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C	COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CON-SUMPTION	BNA	BNC	BOV / BBV	ORDER CODE
H	L	B		75/65	55/45	45/35	35/30	7/12	7/12	16/18	dB(A)							
cm	cm	cm	V	Watts	Watts	Watts	Watts	Watts	Watts	Watts								
019	105	34	2	1245	743	489	308	378	267	164	17.0	97	1.5	2455			CCAF .019 105 34 /XXX	
			4	1965	1172	772	486	729	522	321	21.0	167	2.7					
			6	2567	1531	1008	635	1069	775	474	27.0	236	4.8					
			8	3102	1850	1218	768	1405	1030	626	35.0	309	9.3					
			10	3593	2143	1411	889	1895	1290	777	40.0	351	15.0					
120	34		2	1548	923	608	383	516	332	204	19.0	82	3.2	2668			CCAF .019 120 34 /XXX	
			4	2442	1457	959	604	994	649	398	22.0	179	6.7					
			6	3189	1902	1253	789	1454	962	589	28.0	260	12.1					
			8	3854	2299	1514	954	1907	1280	778	36.0	351	18.4					
			10	4464	2662	1754	1105	2354	1602	965	41.0	401	24.0					
200	34		2	3021	1802	1187	748	1008	648	398	21.1	179	4.6	4445			CCAF .019 200 34 /XXX	
			4	4768	2844	1873	1180	1942	1267	778	24.6	346	9.4					
			6	6227	3714	2446	1541	2839	1879	1151	30.5	496	16.9					
			8	7525	4488	2956	1862	3723	2499	1519	38.5	660	27.7					
			10	8716	5198	3424	2157	4597	3128	1885	43.5	752	38.9					
280	34		2	4495	2681	1766	1112	1499	964	592	22.5	276	6.1	6180			CCAF .019 280 34 /XXX	
			4	7094	4231	2787	1756	2889	1885	1157	26.1	513	12.1					
			6	9264	5525	3639	2293	4224	2796	1712	32.1	732	21.7					
			8	11196	6677	4398	2770	5540	3718	2260	40.1	969	37.0					
			10	12967	7734	5094	3209	6839	4655	2804	45.1	1103	53.8					

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

fill in grille code

# 4-PIPE ■ CLIMA CANAL 19

## STANDARD DELIVERY

- casing in Sendzimir-galvanised steel sheet (RAL7024) with height adjustment and stainless steel grille support
- anodized aluminium grille(s)
- dynamic heat exchanger
- 4 stainless steel flexible connections 1/2", length 15 cm.
- thermal activator(s), (tangential mini activator)
- Feet with height adjustment 0 > 4.5 cm, provided with acoustic decoupling
- Cover plate



DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C	COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CONSUMPTION	BNA	BNC	BOV / BBV	ORDER CODE
H	L	B		75/65	55/45	45/35	35/30	7/12	7/12	16/18	dB(A)							
cm	cm	cm	V	Watts	Watts	Watts	Watts	Watts	Watts	Watts								
019	105	34	2	830	495	326	205	343	243	149	17.0	97	1.5	2675			QCAF.019 105 34 /XXX	
			4	1310	781	515	324	663	475	291	21.0	167	2.7					
			6	1711	1021	672	423	972	704	431	27.0	236	4.8					
			8	2068	1233	812	512	1277	937	569	35.0	309	9.3					
			10	2395	1428	941	593	1581	1172	706	40.0	351	15.0					
120	34		2	1032	615	405	255	469	302	185	19.0	82	3.2	2859			QCAF.019 120 34 /XXX	
			4	1628	971	640	403	904	590	362	22.0	179	6.7					
			6	2126	1268	835	526	1322	875	536	28.0	260	12.1					
			8	2570	1532	1009	636	1734	1164	707	36.0	351	18.4					
			10	2976	1775	1169	736	2140	1457	878	41.0	401	24.0					
200	34		2	2014	1201	791	498	916	589	362	21.1	179	4.6	4669			QCAF.019 200 34 /XXX	
			4	3179	1896	1249	787	1765	1152	707	24.6	346	9.4					
			6	4151	2476	1631	1027	2581	1708	1046	30.5	496	16.9					
			8	5017	2992	1971	1241	3385	2272	1381	38.5	660	27.7					
			10	5810	3465	2283	1438	4179	2844	1714	43.5	752	38.9					
280	34		2	2997	1787	1177	742	1363	877	538	22.5	276	6.1	6464			QCAF.019 280 34 /XXX	
			4	4729	2821	1858	1170	2626	1713	1052	26.1	513	12.1					
			6	6176	3683	2426	1528	3840	2542	1556	32.1	732	21.7					
			8	7464	4451	2932	1847	5036	3380	2055	40.1	969	37.0					
			10	8645	5156	3396	2139	6217	4231	2549	45.1	1103	53.8					

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

fill in grille code

## CONNECTION SETS & VALVES

### **MOST USED CONNECTION SETS<sup>318</sup>**

#### **ALL CONNECTION SETS EUROCO- NE 3/4"**

- Trench heating 319
- To the wall 320
- To the floor 324

#### **ALL CONNECTION SETS M24**

- To the wall 328
- To the floor 329

#### **SEPERATE LOW-H<sub>2</sub>O VALVES**

- 3/4" EUROCONE 330
- G1/2" 332
- M24 334

#### **THERMOSTATIC HEADS 336**

#### **PRESSURE DROP 338**

To make it even easier for you, Jaga offers you complete connection sets. With one code you can order a complete valve set, including thermostat head and sleeve couplings. All Jaga valve sets are fully lockable and have a preset setting.







CONNECTION SETS & VALVES

# MOST USED CONNECTION SETS

## LOW-H<sub>2</sub>O WALL HEATERS

Strada (Hybrid), Tempo, Linea Plus, Knockonwood, Mini, Installation in a wall recess (Hybrid)

### To the wall

**Flow on the outside** 3/4" Eurocone

Set	€	Set	€
<b>Set 103</b>		<b>Set 163</b>	
<b>Heating only</b>			
COLO.HBSW.JW.4...	110	COLO.HESW.JW.4...	160
COLO.HBSW.AS.4...	110	COLO.HESW.AS.4...	160
COLO.HBSW.AC.4...	121	COLO.HESW.AC.4...	171
COLO.HBSW.AW.4...	101	COLO.HESW.AW.4...	153
COLO.HBSW.MA.4...	71	COLO.HESW.MA.4...	122
<b>Heating + cooling</b>			
COLO.HBSW.HC.4...	159	COLO.HESW.HC.4...	208
COLO.HBSW.MA.4...	71	COLO.HESW.MA.4...	122

### To the floor

**Flow on the outside** 3/4" Eurocone

Set	€	Set	€
<b>Set 104</b>		<b>Set 164</b>	
<b>Heating only</b>			
COLO.HBSF.JW.4...	110	COLO.HESF.JW.4...	160
COLO.HBSF.AS.4...	110	COLO.HESF.AS.4...	160
COLO.HBSF.AC.4...	121	COLO.HESF.AC.4...	171
COLO.HBSF.AW.4...	101	COLO.HESF.AW.4...	153
COLO.HBSF.MA.4...	71	COLO.HESF.MA.4...	122
<b>Heating + cooling</b>			
COLO.HBSF.HC.4...	159	COLO.HESF.HC.4...	208
COLO.HBSF.MA.4...	71	COLO.HESF.MA.4...	122

**Flow on the inside** 3/4" Eurocone

Set	€	Set	€
<b>Set 101</b>		<b>Set 161</b>	
<b>Heating only</b>			
COLO.HBCW.JW.4...	110	COLO.HECW.JW.4...	160
COLO.HBCW.AS.4...	110	COLO.HECW.AS.4...	160
COLO.HBCW.AC.4...	121	COLO.HECW.AC.4...	171
COLO.HBCW.AW.4...	101	COLO.HECW.AW.4...	153
COLO.HBCW.MA.4...	71	COLO.HECW.MA.4...	122
<b>Heating + cooling</b>			
COLO.HBCW.HC.4...	159	COLO.HECW.HC.4...	208
COLO.HBCW.MA.4...	71	COLO.HECW.MA.4...	122

**Flow on the inside** 3/4" Eurocone

Set	€	Set	€
<b>Set 102</b>		<b>Set 162</b>	
<b>Heating only</b>			
COLO.HBCF.JW.4...	110	COLO.HECF.JW.4...	160
COLO.HBCF.AS.4...	110	COLO.HECF.AS.4...	160
COLO.HBCF.AC.4...	121	COLO.HECF.AC.4...	171
COLO.HBCF.AW.4...	101	COLO.HECF.AW.4...	153
COLO.HBCF.MA.4...	71	COLO.HECF.MA.4...	122
<b>Heating + cooling</b>			
COLO.HBCF.HC.4...	159	COLO.HECF.HC.4...	208
COLO.HBCF.MA.4...	71	COLO.HECF.MA.4...	122

**To the wall within the casing** 3/4" Eurocone

Set	€	Set	€	Set	€
<b>Set 225</b>		<b>Set 265</b>		<b>Set 226</b>	
<b>Heating only</b>					
COLO.SW2.JW.4...	91	COLO.EW2.JH.4...	133	COLO.LOA.00.4...	40
COLO.SW2.AS.4...	91	COLO.EW2.AS.4...	122		
COLO.SW2.AC.4...	102	COLO.EW2.AC.4...	139		
COLO.SW2.AW.4...	84	COLO.EW2.AW.4...	120		
COLO.SW2.MA.4...	53	COLO.EW2.MA.4...	84		
<b>Heating + cooling</b>					
COLO.SW2.HC.4...	140	COLO.EW2.HC.4...	174		
COLO.SW2.MA.4...	53	COLO.EW2.MA.4...	84		

All sets are available with one of the following heads:

#### Jaga thermostatic head JW



#### Heimeier JH



#### THERMOSTATIC HEAD AW



#### THERMOSTATIC HEAD AS



#### THERMOSTATIC HEAD AC



#### Heimeier thermostatic head HC



NEW

#### MANUAL HEAD MA



For more controls: see [jaga.com](http://jaga.com)  
Adjusting valves: see [jaga.com](http://jaga.com)

## LOW-H<sub>2</sub>O TRENCH HEATING

Mini Canal (Hybrid)

**For height 09 and 11** *3/4" Eurocone*

Jaga thermostatic valve Eurocone straight lockshield

Sleeve couplings for 3/4" Eurocone

Example with manual head

**set 271** Kv max. 0.6

TWO PIPE	TRV head	€
COMC.JH2.MA.4...	MA	54
COMC.JH2.AB.4...	AB	96
COMC.JH2.RD.4...	RD	177
COMC.JH2.RW.4...	RW	170
COMC.JH2.RB.4...	RB	176
COMC.JH2.24.4...	24 (24 VDC)	115
COMC.JH2.23.4...	23 (230 VAC)	115

fill in sleeve coupling code

Not suitable for:

- width 14 cm
- Micro Canal and Clima Canal
- heat exchangers with opposite end connection

**For height 14 and 19** *3/4" Eurocone*

Jaga thermostatic valve Eurocone

Example with manual head

Angled lockshield

Sleeve couplings for 3/4" Eurocone

**set 272** Kv max. 0.6

TWO PIPE	TRV head	€
COMC.JV2.MA.4...	MA	49
COMC.JV2.AB.4...	AB	91
COMC.JV2.RD.4...	RD	171
COMC.JV2.RW.4...	RW	165
COMC.JV2.RB.4...	RB	170
COMC.JV2.24.4...	24 (24 VDC)	109
COMC.JV2.23.4...	23 (230 VAC)	109

fill in sleeve coupling code

Not suitable for:

- Micro Canal and Clima Canal
- heat exchangers with opposite end connection

### OVERVIEW CONTROLS

MA

AB

RD

RW

23-24

All technical information:

- About these sets: pag 320 - 329
- Thermostatic heads: pag. 336
- Pressure drop: pag. 338

### SLEEVE COUPLINGS EUROCONE

#### Ordering example

Complete ordering code with sleeve couplings according to the material used and  $\varnothing$  of the tube. Included in the price of the connection sets.

connection set code    sleeve coupling code  
COMC. JH2. MA. 4.    **112**

#### Precision metal tube

CODE	Tube
112	12/1
114	14/1
115	15/1
116	16/1
118	18/1

#### Synthetic or RPE/ALU tube

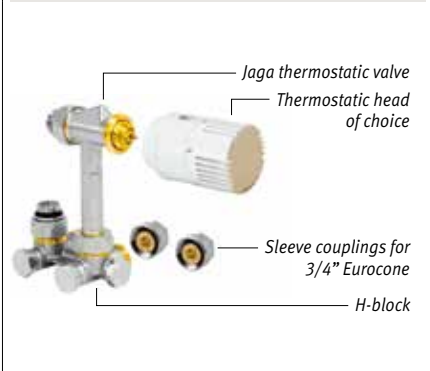
CODE	Tube	CODE	Tube
612	12/2	619	16/1.5
614	14/2	620	20/2
616	16/2		
618	18/2		

Tightening torque:  
see page 331

# ALL CONNECTION SETS LOW-H<sub>2</sub>O WALL

## VIA BOTTOM OF CASING WITH JAGA H-BLOCK

### TRV head at low level 3/4" Eurocone

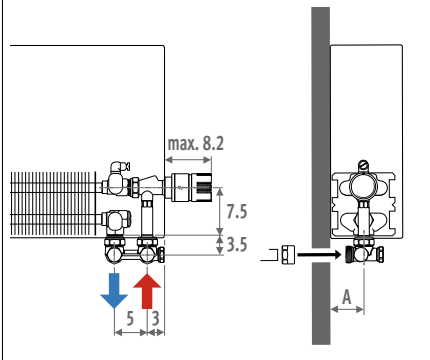


**set 103**

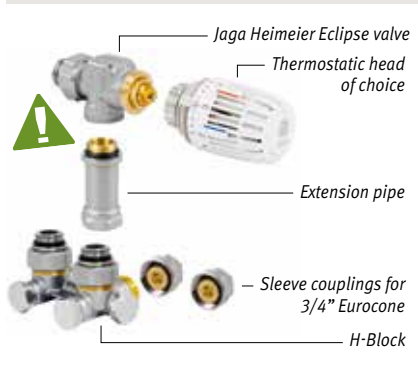
Kv max. 0.6 TWO PIPE ONE PIPE		TRV head	€
COLO.HBSW.JW.4...	JW		110
COLO.HBSW.JH.4...	JH		116
COLO.HBSW.AC.4...	AC		121
COLO.HBSW.AW.4...	AW		101
COLO.HBSW.AS.4...	AS		110

fill in sleeve coupling code

Not suitable for Strada type 06, Knockon-wood type 06 and Mini H 008.



### TRV head at low level 3/4" Eurocone

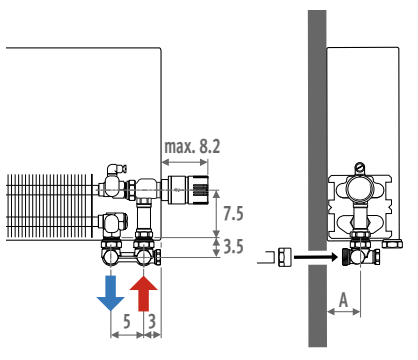


**set 163**

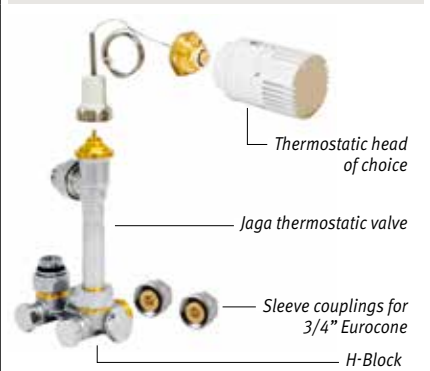
Automatic flow limiter 0.01 - 0.15 TWO PIPE ONE PIPE		TRV head	€
COLO.HESW.JW.4...	JW		160
COLO.HESW.JH.4...	JH		167
COLO.HESW.AC.4...	AC		171
COLO.HESW.AW.4...	AW		153
COLO.HESW.AS.4...	AS		160

fill in sleeve coupling code

Not suitable for Strada type 06, Knockon-wood type 06 and Mini H 008.



### TRV head at high level 3/4" Eurocone



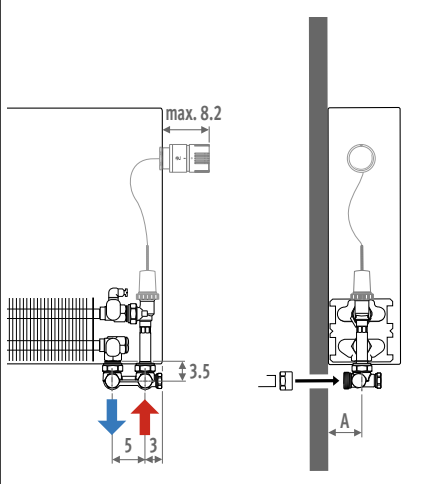
**set 117**

Kv max. 0.6 TWO PIPE ONE PIPE		TRV head	€
COLO.VBSW.JW.4...	JW		236
COLO.VBSW.JH.4...	JH		243
COLO.VBSW.AC.4...	AC		249
COLO.VBSW.AW.4...	AW		227
COLO.VBSW.AS.4...	AS		236
COLO.VBSW.MA.4...	MA		200

fill in sleeve coupling code

When ordering the high level valve set, please specify the correct position by adding /30 (left) or /60 (right) to the code of the radiator.

Not suitable for Strada type 06, Knockon-wood type 06 and Mini H 008 - 013.



## OVERVIEW CONTROLS



## SLEEVE COUPLINGS EUROCONE

### Ordering example

Complete ordering code with sleeve couplings according to the material used and Ø of the tube. Included in the price of the connection sets..

connection set code    sleeve coupling code  
COLO. HBSW. JW. 4.    112

### Precision metal tube

CODE	Tube
112	12/1
114	14/1
115	15/1
116	16/1
118	18/1

### Synthetic or RPE/ALU tube

CODE	Tube	CODE	Tube
612	12/2	619	16/1.5
614	14/2	620	20/2
616	16/2		
618	18/2		

Tightening torque:  
see page 331

## Remote controlled 3/4" Eurocone



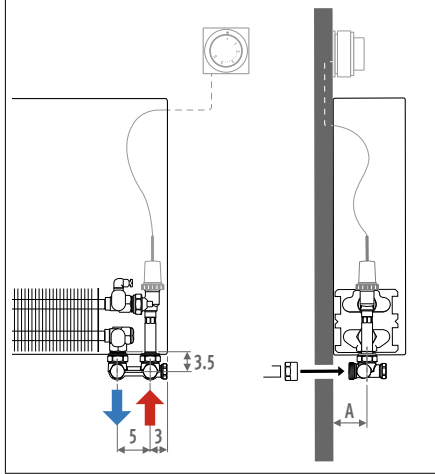
**set 113** Kv max. 0.6

TWO PIPE ONE PIPE	TRV head	€
COLO.VBSW.RD.4...	RD	209
COLO.VBSW.RW.4...	RW	203
COLO.VBSW.24.4...	24 (24 VDC)	123
COLO.VBSW.23.4...	23 (230 VAC)	123

fill in sleeve coupling code

The radiator does not require an opening for the thermostatic head: please add /00 to end of radiator ordering code

Also suitable for installation in a wall recess. Not suitable for Strada type 06, Knockonwood type 06 and Mini H 008 - 013.



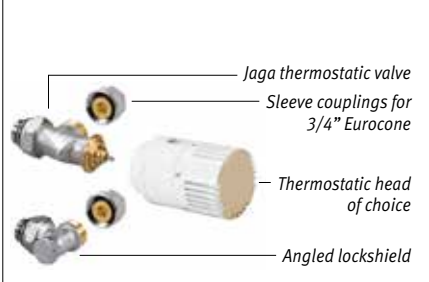
Type	A
05/06	4.0
09/10/11	5.5*
14/15/16	8.0*
19/20/21	10.5*

\* Mini + 1.5 cm

- Dimensional drawing p. 330
- Adjusting one pipe p. 331
- Pressure drop p. 338

## WITHIN THE CASING

### With Jaga valve 3/4" Eurocone

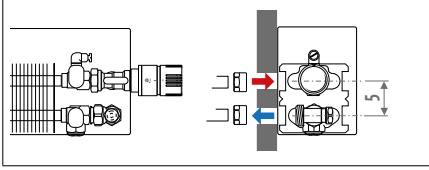


**set 225** Kv max. 0.6

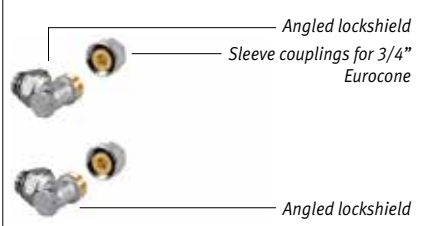
TWO PIPE	TRV head	€
COLO.SW2.JW.4...	JW	91
COLO.SW2.JH.4...	JH	98
COLO.SW2.AC.4...	AC	102
COLO.SW2.AW.4...	AW	84
COLO.SW2.AS.4...	AS	91

fill in sleeve coupling code

Not suitable for Strada type 06, Knockonwood type 06 and Mini.



### With angled lockshield

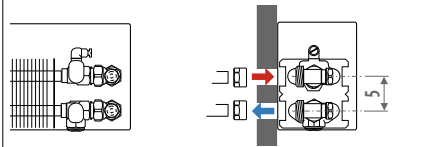


**set 226**

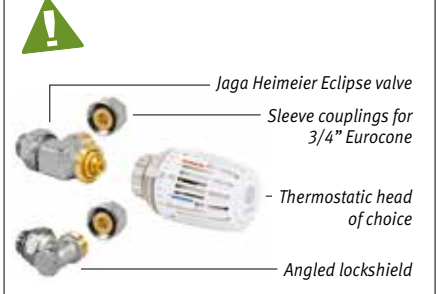
TWO PIPE	€
COLO.LOA.00.4...	40

fill in sleeve coupling code

Not suitable for Strada type 06, Knockonwood type 06 and Mini.



### With Jaga Heimeier Eclipse valve 3/4" Eurocone

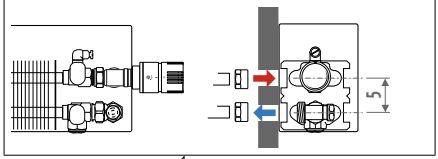


**set 265** Automatic flow limiter 0.01 - 0.15

TWO PIPE	TRV head	€
COLO.EW2.JW.4...	JW	122
COLO.EW2.JH.4...	JH	133
COLO.EW2.AC.4...	AC	139
COLO.EW2.AW.4...	AW	120
COLO.EW2.AS.4...	AS	122

fill in sleeve coupling code

Not suitable for Strada type 06, Knockonwood type 06 and Mini.



**SET 163 - 265 with JAGA HEIMEIER ECLIPSE VALVE**

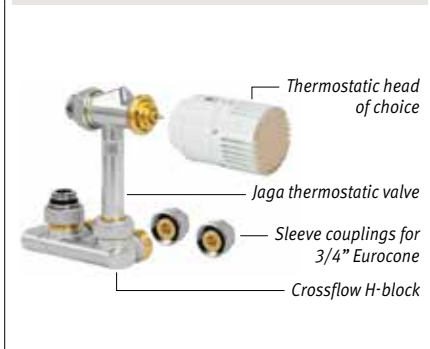
The Jaga Heimeier Eclipse valve features a unique integrated flow regulator that prevents excess flow. The desired flow rate is very easy to set for each radiator. This flow rate is never exceeded, even when the flow rate is excessive because other valves are closed. The Jaga Heimeier Eclipse valve automatically controls the flow independently from the pressure difference. This means complicated calculations to determine settings are unnecessary.

# ALL CONNECTION SETS LOW-H<sub>2</sub>O WALL CROSSFLOW

VIA BOTTOM OF CASING WITH JAGA CROSSFLOW H-BLOCK

FLOW ON THE INSIDE

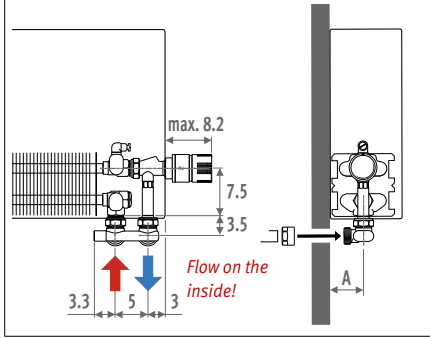
## TRV head at low level 3/4" Eurocone



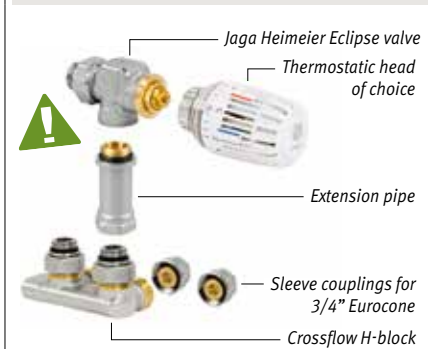
set 101	Kv max. 0.6	TWO PIPE	TRV head	€
		COLO.HBCW.JW.4...	JW	110
		COLO.HBCW.JH.4...	JH	116
		COLO.HBCW.AC.4...	AC	121
		COLO.HBCW.AW.4...	AW	101
		COLO.HBCW.AS.4...	AS	110

fill in sleeve coupling code

Not suitable for Strada type 06, Knockon-wood type 06 and Mini H 008.



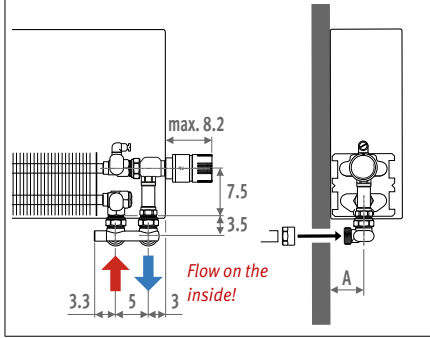
## TRV head at low level 3/4" Eurocone



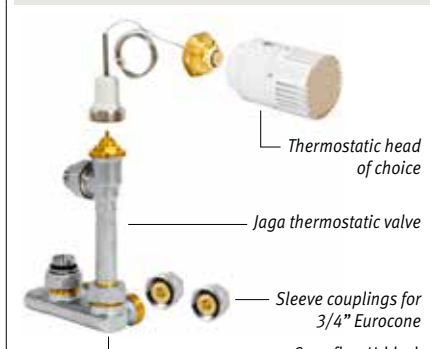
set 161	Automatic flow limiter 0.01 - 0.15	TWO PIPE	TRV head	€
		COLO.HECW.JW.4...	JW	160
		COLO.HECW.JH.4...	JH	167
		COLO.HECW.AC.4...	AC	171
		COLO.HECW.AW.4...	AW	153
		COLO.HECW.AS.4...	AS	160

fill in sleeve coupling code

Not suitable for Strada type 06, Knockon-wood type 06 and Mini H 008.



## TRV head at high level 3/4" Eurocone

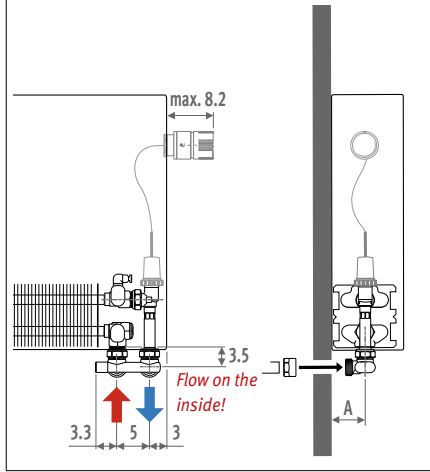


set 115	Kv max. 0.6	TWO PIPE	TRV head	€
		COLO.VBCW.JW.4...	JW	236
		COLO.VBCW.JH.4...	JH	243
		COLO.VBCW.AC.4...	AC	249
		COLO.VBCW.AW.4...	AW	227
		COLO.HBCW.AS.4...	AS	110
		COLO.VBCW.MA.4...	MA	200

fill in sleeve coupling code

When ordering the high level valve set, please specify the correct position by adding /30 (left) or /60 (right) to the code of the radiator.

Not suitable for Strada type 06, Knockon-wood type 06 and Mini H 008 - 013.



**JAGA HEIMEIER ECLIPSE VALVE**

The Jaga Heimeier Eclipse valve features a unique integrated flow regulator that prevents excess flow. The desired flow rate is very easy to set for each radiator. This flow rate is never exceeded, even when the flow rate is excessive because other valves are closed. The Jaga Heimeier Eclipse valve automatically controls the flow independently from the pressure difference. This means complicated calculations to determine settings are unnecessary.



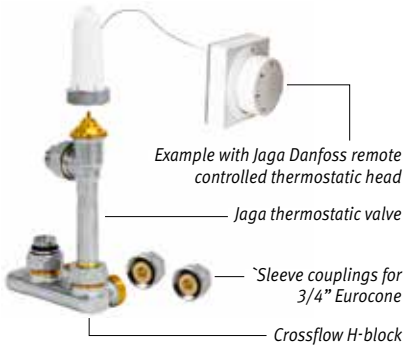
### SLEEVE COUPLINGS EUROCONE

Ordering example  
Complete ordering code with sleeve couplings according to the material used and ø of the tube. Included in the price of the connection sets.

connection set code    sleeve coupling code  
COLO. HBCW. JW. 4.    112

Precision metal tube		Synthetic or RPE/ALU tube			Tightening torque: see page 331
CODE	Tube	CODE	Tube	CODE	
112	12/1	612	12/2	619	16/1.5
114	14/1	614	14/2	620	20/2
115	15/1	616	16/2		
116	16/1	618	18/2		
118	18/1				

## Remote controlled 3/4" Eurocone



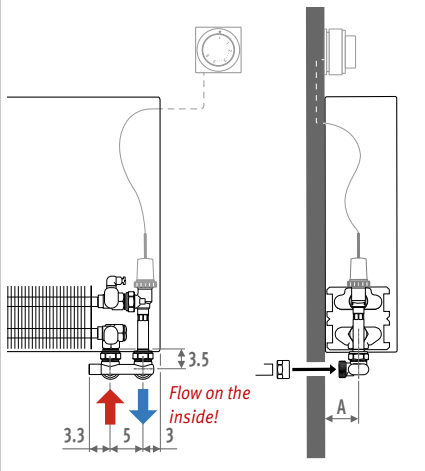
set  
**111**

**Kv max. 0.6**

<b>TWO PIPE</b>	TRV head	€
COLO.VBCW.RD.4...	<b>RD</b>	<b>209</b>
COLO.VBCW.RW.4...	<b>RW</b>	<b>203</b>
COLO.VBCW.24.4...	<b>24</b> (24 VDC)	<b>123</b>
COLO.VBCW.23.4...	<b>23</b> (230 VAC)	<b>123</b>

*fill in sleeve coupling code*

The radiator does not require an opening for the thermostatic head: please add /00 to end of radiator ordering code  
Also suitable for installation in a wall recess.  
Not suitable for Strada type 06,  
Knockonwood type 06 and Mini H 008 - 013.



Type	A
05/06	4.0
09/10/11	5.5*
14/15/16	8.0*
19/20/21	10.5*

\* Mini + 1.5 cm

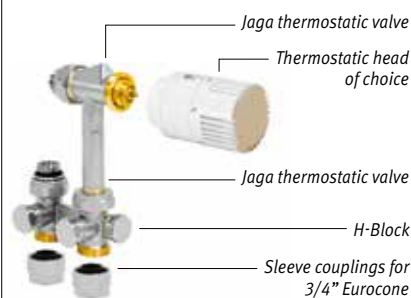


Dimensional drawing p. 330  
Pressure drop p. 338

# ALL CONNECTION SETS LOW H<sub>2</sub>O FLOOR

## VIA BOTTOM OF CASING WITH JAGA H-BLOCK

### TRV head at low level 3/4" Eurocone



set 104

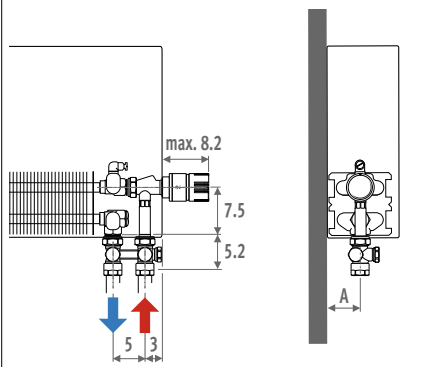
Kv max. 0.6

**TWO PIPE  
ONE PIPE**

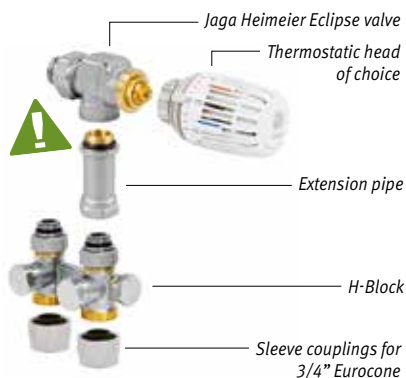
	TRV head	€
COLO.HBSF.JW.4...	JW	110
COLO.HBSF.JH.4...	JH	116
COLO.HBSF.AC.4...	AC	121
COLO.HBSF.AW.4...	AW	101
COLO.HBSF.AS.4...	AS	110

fill in sleeve coupling code

Not suitable for Mini with fixed feet H 6.5 cm and Mini H 008.



### TRV head at low level 3/4" Eurocone



set 164

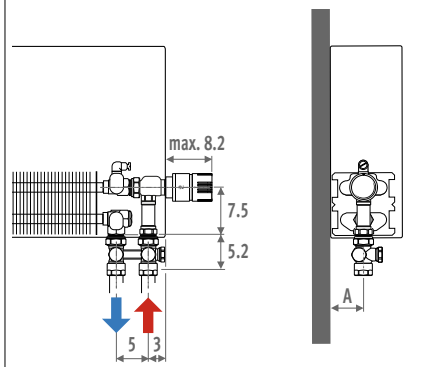
Automatic flow limiter 0.01 - 0.15

**TWO PIPE  
ONE PIPE**

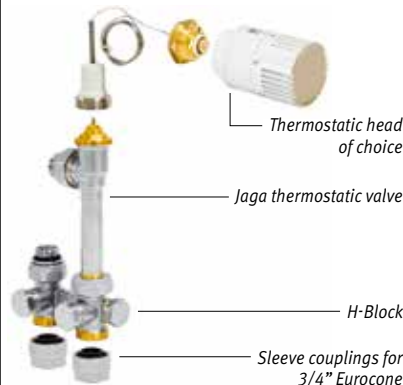
	TRV head	€
COLO.HESF.JW.4...	JW	160
COLO.HESF.JH.4...	JH	167
COLO.HESF.AC.4...	AC	171
COLO.HESF.AW.4...	AW	153
COLO.HESF.AS.4...	AS	160

fill in sleeve coupling code

Not suitable for Mini with fixed feet H 6.5 cm and Mini H 008.



### TRV head at high level 3/4" Eurocone



set 118

Kv max. 0.6

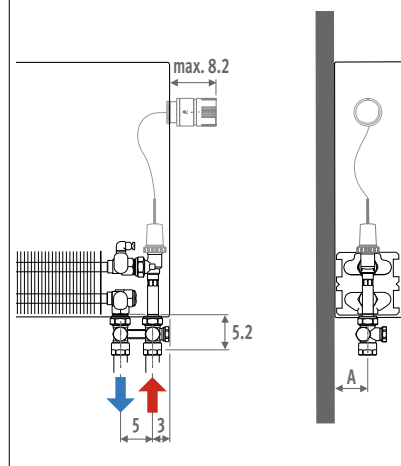
**TWO PIPE  
ONE PIPE**

	TRV head	€
COLO.VBSF.JW.4...	JW	236
COLO.VBSF.JH.4...	JH	243
COLO.VBSF.AC.4...	AC	249
COLO.VBSF.AW.4...	AW	227
COLO.VBSF.AS.4...	AS	236
COLO.VBSF.MA.4...	MA	200

fill in sleeve coupling code

When ordering the high level valve set, please specify the correct position by adding /30 (left) or /60 (right) to the code of the radiator.

Not suitable for Mini with fixed feet H 6.5 cm and Mini H008-013



## OVERVIEW CONTROLS



## SLEEVE COUPLINGS EUROCONE

### Ordering example

Complete ordering code with sleeve couplings according to the material used and Ø of the tube. Included in the price of the connection sets.

connection set code    sleeve coupling code

COLO. HBSF. JW. 4.    **112**

### Precision metal tube

CODE	Tube
112	12/1
114	14/1
115	15/1
116	16/1
118	18/1

### Synthetic or RPE/ALU tube

CODE	Tube	CODE	Tube
612	12/2	619	16/1.5
614	14/2	620	20/2
616	16/2		
618	18/2		

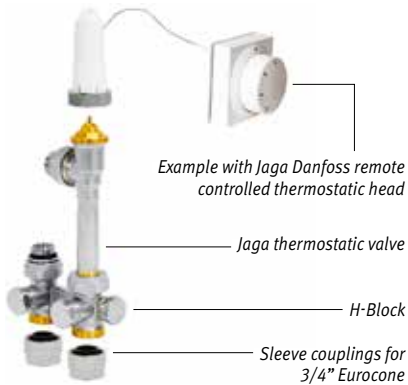
Tightening torque:  
see page 331



## VIA BOTTOM OF CASING

### Remote controlled

3/4" Eurocone



Example with Jaga Danfoss remote controlled thermostatic head

Jaga thermostatic valve

H-Block

Sleeve couplings for 3/4" Eurocone

set 114

Kv max. 0.6

**TWO PIPE ONE PIPE**

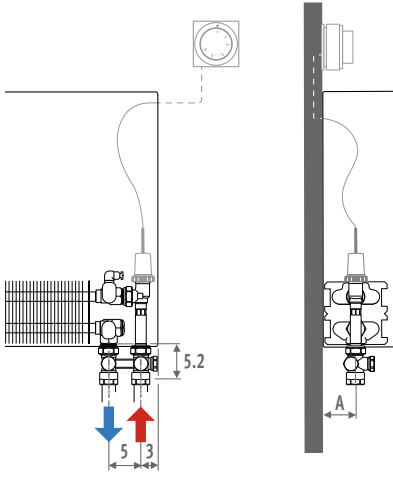
	TRV head	€
COLO.VBSF.RD.4...	RD	209
COLO.VBSF.RW.4...	RW	203
COLO.VBSF.24.4...	24 (24 VDC)	123
COLO.VBSF.23.4...	23 (230 VAC)	123

fill in sleeve coupling code

The radiator does not require an opening for the thermostatic head: please add /00 to end of radiator ordering code

Also suitable for installation in a wall recess.

Not suitable for Mini with fixed feet H 6.5 cm and Mini H008-013



### With Jaga valve

3/4" Eurocone



Jaga thermostatic valve

Thermostatic head of choice

Straight lockshield

Sleeve couplings for 3/4" Eurocone

set 222

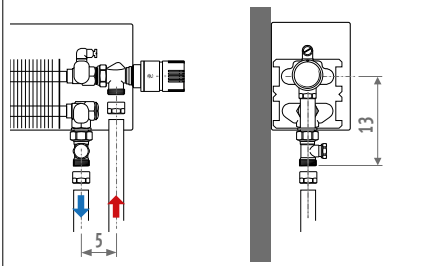
Kv max. 0.6

**TWO PIPE**

	TRV head	€
COLO.JF2.JW.4...	JW	96
COLO.JF2.JH.4...	JH	102
COLO.JF2.AC.4...	AC	109
COLO.JF2.AW.4...	AW	89
COLO.JF2.AS.4...	AS	96

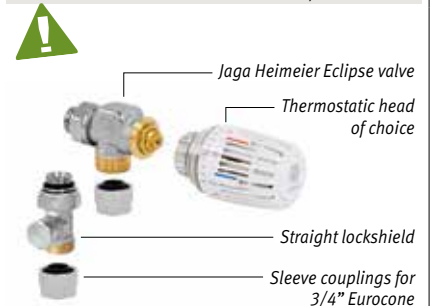
fill in sleeve coupling code

Not suitable for Mini with fixed feet H 6.5 cm.



### With Jaga Heimeier Eclipse valve

3/4" Eurocone



Jaga Heimeier Eclipse valve

Thermostatic head of choice

Straight lockshield

Sleeve couplings for 3/4" Eurocone

set 262

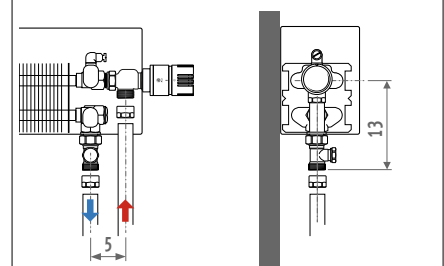
kv max.0.15

**TWO PIPE**

	TRV head	€
COLO.EF2.JW.4...	JW	122
COLO.EF2.JH.4...	JH	133
COLO.EF2.AC.4...	AC	139
COLO.EF2.AW.4...	AW	120
COLO.EF2.AS.4...	AS	122

fill in sleeve coupling code

Not suitable for Mini with fixed feet H 6.5 cm.



### SET 164 - 262 with JAGA HEIMEIER ECLIPSE VALVE

The Jaga Heimeier Eclipse valve features a unique integrated flow regulator that prevents excess flow. The desired flow rate is very easy to set for each radiator. This flow rate is never exceeded, even when the flow rate is excessive because other valves are closed. The Jaga Heimeier Eclipse valve automatically controls the flow independently from the pressure difference. This means complicated calculations to determine settings are unnecessary.

Type	A
05/06	4.0
09/10/11	5.5*
14/15/16	8.0*
19/20/21	10.5*

\* Mini + 1.5 cm



Dimensional drawing p. 330  
Adjusting one pipe p. 331  
Pressure drop p. 338

# ALL CONNECTION SETS LOW-H<sub>2</sub>O FLOOR CROSSFLOW

VIA BOTTOM OF CASING WITH JAGA CROSSFLOW H-BLOCK

FLOW ON THE INSIDE

## TRV head at low level 3/4" Eurocone

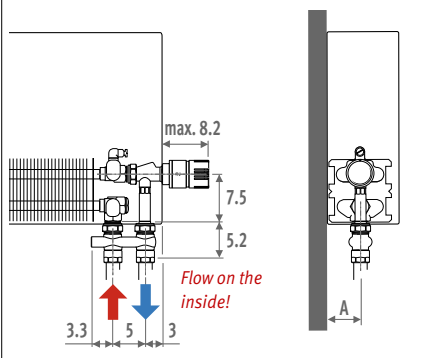


**set 102** Kv max. 0.6

TWO PIPE	TRV head	€
COLO.HBCF.JW.4...	JW	110
COLO.HBCF.JH.4...	JH	116
COLO.HBCF.AC.4...	AC	121
COLO.HBCF.AW.4...	AW	101
COLO.HBCF.AS.4...	AS	110

fill in sleeve coupling code

Not suitable for Mini with fixed feet H 6.5 cm and Mini H 008.



## TRV head at low level 3/4" Eurocone

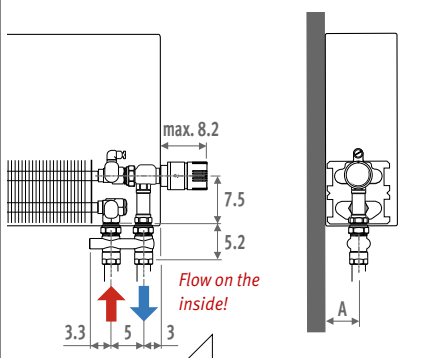


**set 162** Automatic flow limiter 0.01 - 0.15

TWO PIPE	TRV head	€
COLO.HECF.JW.4...	JW	160
COLO.HECF.JH.4...	JH	167
COLO.HECF.AC.4...	AC	171
COLO.HECF.AW.4...	AW	153
COLO.HECF.AS.4...	AS	160

fill in sleeve coupling code

Not suitable for Mini with fixed feet H 6.5 cm and Mini H 008.



## TRV head at high level 3/4" Eurocone



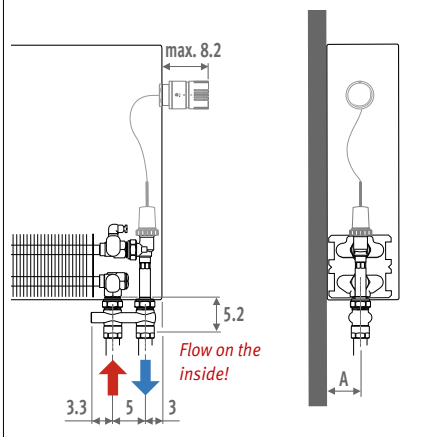
**set 116** Kv max. 0.6

TWO PIPE	TRV head	€
COLO.VBCF.JW.4...	JW	236
COLO.VBCF.JH.4...	JH	243
COLO.VBCF.AC.4...	AC	249
COLO.VBCF.AW.4...	AW	227
COLO.VBCF.AS.4...	AS	236
COLO.VBCF.MA.4...	MA	200

fill in sleeve coupling code

When ordering the high level valve set, please specify the correct position by adding /30 (left) or /60 (right) to the code of the radiator.

Not suitable for Mini with fixed feet H 6.5 cm and Mini H008-013



### JAGA HEIMEIER ECLIPSE VALVE

The Jaga Heimeier Eclipse valve features a unique integrated flow regulator that prevents excess flow. The desired flow rate is very easy to set for each radiator. This flow rate is never exceeded, even when the flow rate is excessive because other valves are closed. The Jaga Heimeier Eclipse valve automatically controls the flow independently of the pressure difference. This means complicated calculations to determine settings are unnecessary.

## OVERVIEW CONTROLS



## SLEEVE COUPLINGS EUROCONE

### Ordering example

Complete ordering code with sleeve couplings according to the material used and  $\varnothing$  of the tube. Included in the price of the connection sets.

connection set code sleeve coupling code

COLO.HBCF.JW.4. 112

### Precision metal tube

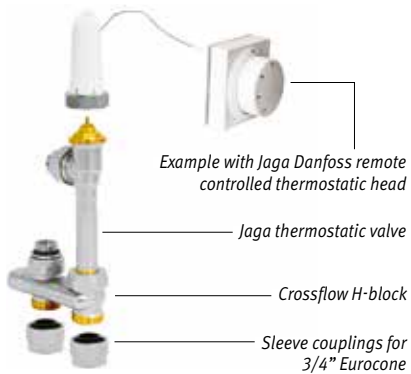
CODE	Tube
112	12/1
114	14/1
115	15/1
116	16/1
118	18/1

### Synthetic or RPE/ALU tube

CODE	Tube	CODE	Tube
612	12/2	619	16/1.5
614	14/2	620	20/2
616	16/2		
618	18/2		

Tightening torque: see page 331

## Remote controlled 3/4" Eurocone



set 112

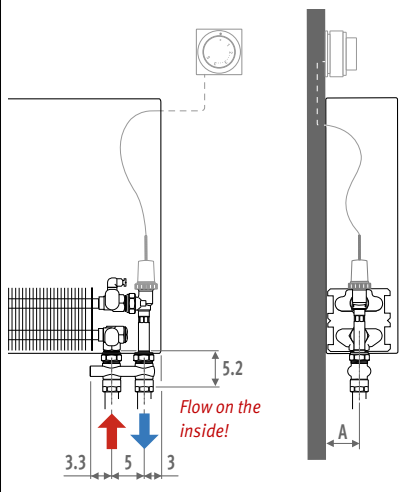
Kv max. 0.6

TWO PIPE	TRV head	€
COLO.VBCF.RD.4...	<b>RD</b>	<b>209</b>
COLO.VBCF.RW.4...	<b>RW</b>	<b>203</b>
COLO.VBCF.24.4...	<b>24</b> (24 VDC)	<b>123</b>
COLO.VBCF.23.4...	<b>23</b> (230 VAC)	<b>123</b>

fill in sleeve coupling code

The radiator does not require an opening for the thermostatic head: please add /00 to end of radiator ordering code also suitable for installation in a wall recess.

Not suitable for Mini with fixed feet H 6.5 cm and Mini H008-013



Type	A
05/06	4.0
09/10/11	5.5*
14/15/16	8.0*
19/20/21	10.5*

\* Mini + 1.5 cm

**i** Dimensional drawing p. 330  
 Pressure drop p. 338

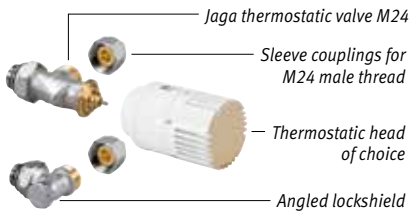
# ALL CONNECTION SETS M24

## CONNECTION TO THE WALL

## TWO PIPE

### Within the casing, TRV head at low level

M24



set 25

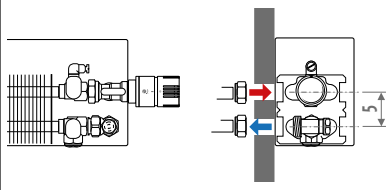
Kv max. 0.6

**TWO PIPE**

	TRV head	€
COLO.SW2.JW.3...	JW	80
COLO.SW2.JH.3...	JH	93
COLO.SW2.AC.3...	AC	98
COLO.SW2.AW.3...	AW	80
COLO.SW2.AS.3...	AS	91

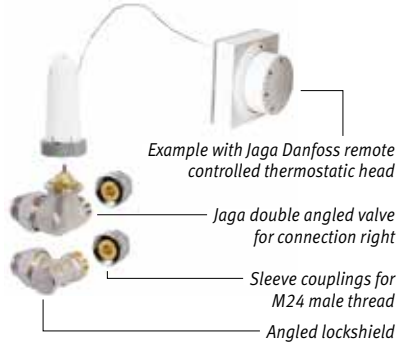
fill in sleeve coupling code

Suited for shorter distance to the wall up to 1.7 cm. Not suitable for Mini.



### Within the casing, remote controlled

M24



#### Connection RIGHT

set 28

Kv max. 0.6

**TWO PIPE**

	TRV head	€
COLO.HWR.MA.3...	MA	88
COLO.HWR.RD.3...	RD	211
COLO.HWR.RW.3...	RW	205
COLO.HWR.24.3...	24 (24 VDC)	143
COLO.HWR.23.3...	23 (230 VAC)	143

fill in sleeve coupling code

#### Connection LEFT

set 29

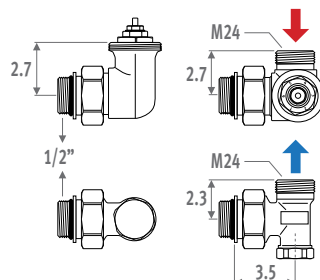
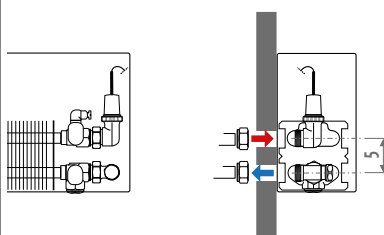
Kv max. 0.6

**TWO PIPE**

	TRV head	€
COLO.HWL.MA.3...	MA	88
COLO.HWL.RD.3...	RD	211
COLO.HWL.RW.3...	RW	205
COLO.HWL.24.3...	24 (24 VDC)	143
COLO.HWL.23.3...	23 (230 VAC)	143

fill in sleeve coupling code

Not suitable for Mini.



⚠ = Jaga + 0.5 cm

### Via bottom of casing, TRV head at low level

M24



set 11

Kv max. 0.6

**TWO PIPE**

	TRV head	€
COLO.PW2.JW.3...	JW	116
COLO.PW2.JH.3...	JH	130
COLO.PW2.AC.3...	AC	136
COLO.PW2.AW.3...	AW	116
COLO.PW2.AS.3...	AS	127

set 13

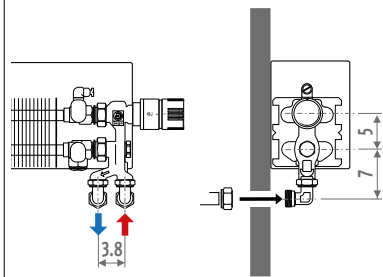
Kv max. 0.6

**ONE PIPE**

	TRV head	€
COLO.PW1.JW.3...	JW	116
COLO.PW1.JH.3...	JH	130
COLO.PW1.AC.3...	AC	136
COLO.PW1.AW.3...	AW	116
COLO.PW1.AS.3...	AS	127

fill in sleeve coupling code

Not suitable for Mini H 008.



CONNECTION TO THE FLOOR

TWO PIPE

Via bottom of casing,  
TRV head at low level

M24



set 12

Kv max. 0.6

**TWO PIPE**

	TRV head	€
COLO.PF2.JW.3...	JW	101
COLO.PF2.JH.3...	JH	116
COLO.PF2.AC.3...	AC	121
COLO.PF2.AW.3...	AW	101
COLO.PF2.AS.3...	AS	114

set 14

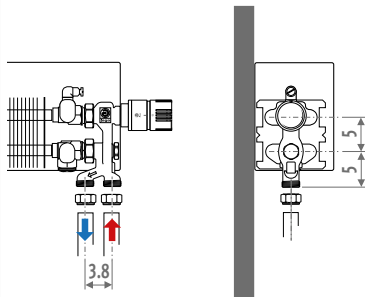
Kv max. 0.6

**ONE PIPE**

	TRV head	€
COLO.PF1.JW.3...	JW	101
COLO.PF1.JH.3...	JH	116
COLO.PF1.AC.3...	AC	121
COLO.PF1.AW.3...	AW	101
COLO.PF1.AS.3...	AS	114

fill in sleeve coupling code

Not suitable for Mini H 008.



OVERVIEW CONTROLS



SLEEVE COUPLINGS M24

Ordering example

Complete ordering code with sleeve couplings according to the material used and Ø of the tube. Included in the price of the connection sets.

connection set code sleeve coupling code  
COLO. SW2. JW.3 **110**

Precision metal tube

CODE	Tube
110	10/1
112	12/1
114	14/1
115	15/1
116	16/1
118	18/1

Synthetic tube

CODE	Tube
212	12/2
214	14/2
219	16/1.5
216	16/2
217	17/2
218	18/2

RPE/ALU tube

CODE	Tube
314	14/2
316	16/2
326	16/2.2
318	18/2

Steel tube

CODE	Tube
501	M24 x 1/2"
503	M24 x 3/8"

Tightening torque:  
see page 331

# SEPERATE LOW-H<sub>2</sub>O VALVES

## JAGA H-VALVE

3/4" Eurocone

### TO THE WALL

Jaga H-valve      Jaga H-valve angled



CODE H-VALVE		€
5094.524	standard Kv	52
5094.544	reduced Kv	52

CODE H-VALVE ANGLED		€
5094.534	standard Kv	52
5094.554	reduced Kv	52

### TO THE FLOOR

Jaga H-valve      Jaga H-valve angled



CODE H-VALVE		€
5094.525	standard Kv	52
5094.545	reduced Kv	52

CODE H-VALVE ANGLED		€
5094.535	standard Kv	52
5094.555	reduced Kv	52

The Jaga angled H-valve is only suitable for use in combination with a sensor at distance, a remote controlled thermostatic head or with a manual head (central control)

- specially shortened thermostatic valve for connection to the wall
- connection 3/4" Eurocone male thread
- one pipe and two pipe
- with pre-setting in 6 steps
- with two integrated lockshields and lockable by-pass (Adjusting: see graph below right)
- with screw thread M30 x 1.5 (Heimeier compatible)
- with synthetic spindle protection for setting on site
- Not suitable for Strada type 06, Knockonwood type 06

Standard kv-value 2-Pipe:

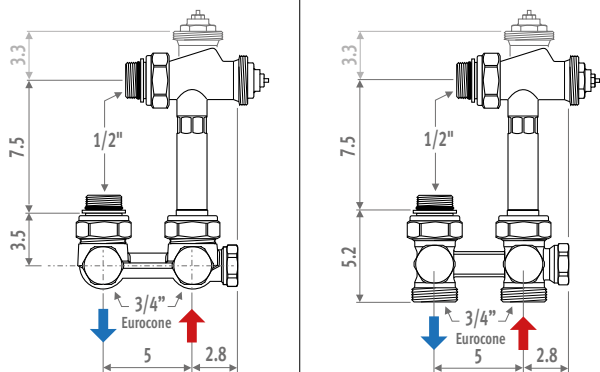
- 0.10 to 0.60 m<sup>3</sup>/h.

Reduced kv-value 2-Pipe:

- 0.045 to 0.32 m<sup>3</sup>/h.

One pipe: 25% to 100%

**Adjusting the H-block (one pipe - two pipe): see page 331**



## JAGA CROSSFLOW VALVE

3/4" Eurocone

### TO THE WALL

Jaga Crossflow      Jaga Crossflow angled



CODE CROSSFLOW		€
5094.522	standard Kv	52
5094.542	reduced Kv	52

CODE CROSSFLOW ANGLED		€
5094.532	standard Kv	52
5094.552	reduced Kv	52

### TO THE FLOOR

Jaga Crossflow      Jaga Crossflow angled



CODE. CROSSFLOW		€
5094.523	standard Kv	52
5094.543	reduced Kv	52

CODE CROSSFLOW ANGLED		€
5094.533	standard Kv	52
5094.553	reduced Kv	52

The Jaga Crossflow angled valve is only suitable for use in combination with a sensor at distance, a remote controlled thermostatic head or with a manual head (central control)

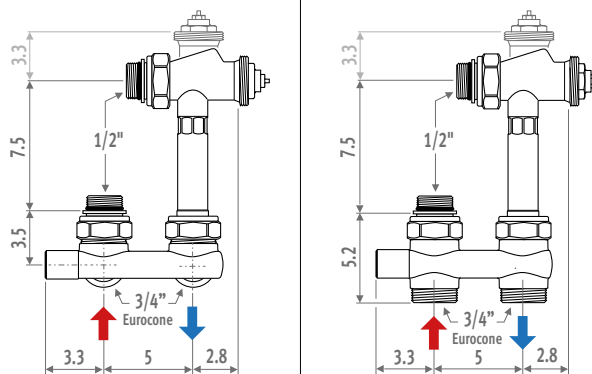
- specially shortened thermostatic valve for connection to the wall
- connection 3/4" Eurocone male thread
- two pipe
- with pre-setting in 6 steps
- completely lockable (flow and return)
- with screw thread M30 x 1.5 (Heimeier compatible)
- with synthetic spindle protection for setting on site
- not suitable for Strada type 06, Knockonwood type 06

Standard kv-value:

- 0.10 to 0.60 m<sup>3</sup>/h.

Reduced kv-value:

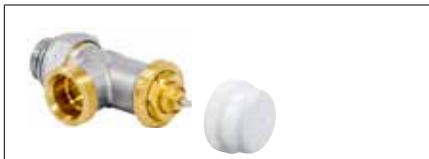
- 0.045 to 0.32 m<sup>3</sup>/h.



# 3/4" EUROCONE

## JAGA VALVE

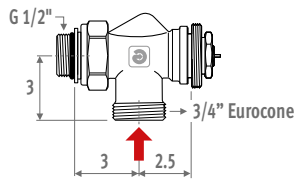
3/4" Eurocone



CODE		€
5090.4407	standard Kv	21
5090.4406	reduced Kv	21

- specially shortened thermostatic valve in order to be fully concealed within the casing
- for connection to the wall or to the floor
- connection 3/4" Eurocone male thread
- two pipe
- with pre-setting in 6 steps
- with screw thread M30 x 1.5 (Heimeier compatible)
- with synthetic spindle protection for setting on site

Standard Kv-value: 0.10 to 0.60 m<sup>3</sup>/h.  
Reduced Kv-value: 0.045 to 0.32 m<sup>3</sup>/h.  
(identification: red coloured spindle protection)



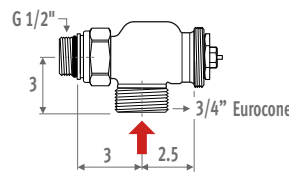
## JAGA HEIMEIER ECLIPSE VALVE

3/4" Eurocone

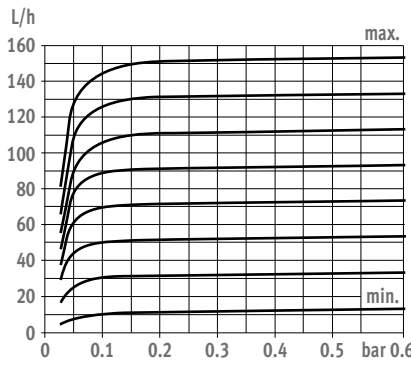


CODE		€
5090.5407		52

- integrated automatic flow limiter, independent of the differential pressure
- easy and quick flow sizing without complicated calculations
- continuously balancing TRV between 1 (10 l/h) and 15 (150 l/h)
- 100 % lockable
- with Keymark certification
- tested to DIN EN 215
- specially shortened thermostatic valve in order to be fully concealed within the casing
- for connection to the wall or to the floor
- connection 3/4" Eurocone male thread
- two pipe
- screw thread M30 x 1.5
- synthetic spindle protection for setting on site



### Setting



## Sleeve couplings for connection sets Eurocone 3/4"

### Max. tightening torque

Precision metal tube

- soft copper 45-55 Nm
- semi-hard copper 60-80 Nm
- mild steel 60-70 Nm

Synthetic 30-40 Nm

RPE/ALU 20-30 Nm

### PRECISION METAL TUBE



CODE	Description	€/p.
5094.2112	ø 3/4" x 12/1	5,70
5094.2114	ø 3/4" x 14/1	5,70
5094.2115	ø 3/4" x 15/1	5,70
5094.2116	ø 3/4" x 16/1	5,70
5094.2118	ø 3/4" x 18/1	5,70

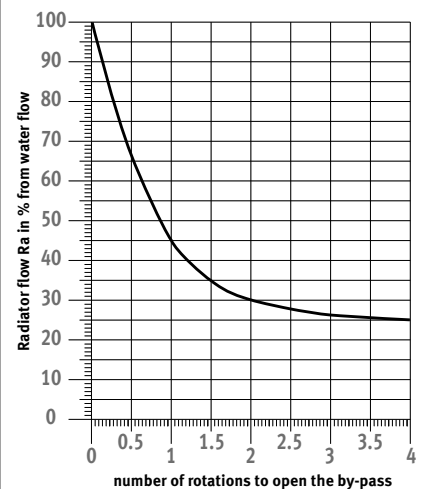
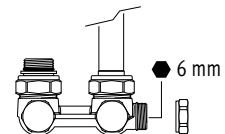
### SYNTHETIC OR RPE/ALU TUBE



CODE	Description	€/p.
5094.2612	ø 3/4" x 12/2	6,80
5094.2614	ø 3/4" x 14/2	6,80
5094.2616	ø 3/4" x 16/2	6,80
5094.2618	ø 3/4" x 18/2	6,80
5094.2619	ø 3/4" x 16/1.5	6,80
5094.2620	ø 3/4" x 20/2	6,80

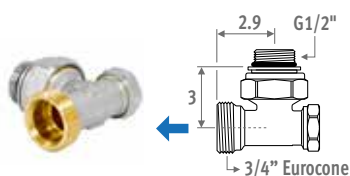
## Adjusting the H-block (one pipe - two pipe)

See page 152 and connection sets 103-104-113-114-117-118-163-164.



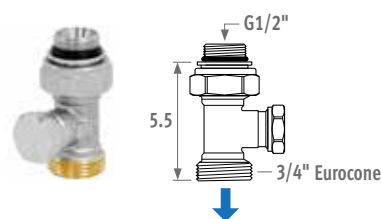
## LOCKSHIELDS 3/4" EUROCONE

### Connection to the wall 90°



CODE		€
5090.4111	nickle-plated	12,90

### Connection to the floor 180°



CODE		€
5094.4431	nickle-plated	18

# SEPERATE LOW-H<sub>2</sub>O VALVES

## JAGA VALVE

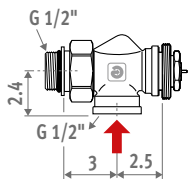
1/2" female thread



CODE		€
5090.405	standard Kv	21
5090.404	reduced Kv	21

- specially shortened thermostatic valve in order to be fully concealed within the casing
- for connection to the wall or to the floor
- connection 1/2" female thread
- two pipe
- with pre-setting in 6 steps
- with screw thread M30 x 1.5 (Heimeier compatible)
- with synthetic spindle protection for setting on site

Standard Kv-value: 0.10 to 0.60 m<sup>3</sup>/h.  
 Reduced Kv-value: 0.045 to 0.32 m<sup>3</sup>/h.  
 (identification: red coloured spindle protection)



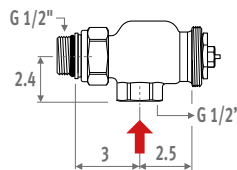
## JAGA HEIMEIER ECLIPSE VALVE

1/2" female thread

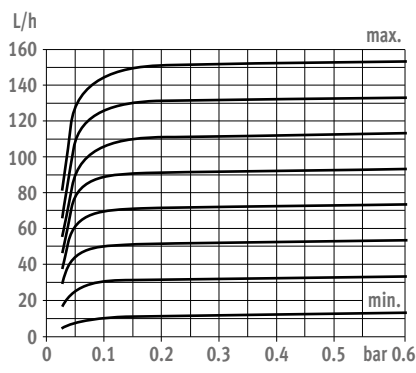


CODE	€
5090.5405	52

- integrated automatic flow limiter, independent of the differential pressure
- easy and quick flow sizing without complicated calculations
- continuously balancing TRV between 1 (10 l/h) and 15 (150 l/h)
- 100 % lockable
- with Keymark certification
- tested to DIN EN 215
- specially shortened thermostatic valve in order to be fully concealed within the casing
- for connection to the wall or to the floor
- connection 1/2" female thread
- two pipe
- screw thread M30 x 1.5
- synthetic spindle protection for setting on site



### Setting

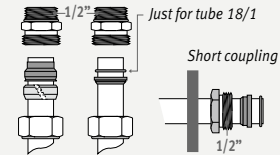


## Sleeve couplings 1/2"

### Max. tightening torque

- Precision metal tube
- soft copper 45-55 Nm
- semi-hard copper 60-80 Nm
- mild steel 60-70 Nm
- Synthetic 30-40 Nm
- RPE/ALU 20-30 Nm

### PRECISION METAL TUBE



CODE	Description	€/p.
5098.110	∅ 1/2" x 10/1	6,10
5098.112	∅ 1/2" x 12/1	6,10
5098.114	∅ 1/2" x 14/1	6,10
5098.115	∅ 1/2" x 15/1	6,10
5098.116	∅ 1/2" x 16/1	6,10
5098.118	∅ 1/2" x 18/1	6,10
Short coupling		
5098.015	∅ 1/2" x 15/1	2,90

### SYNTHETIC TUBE



CODE	Description	€/p.
5098.212	∅ 1/2" x 12/2	7,50
5098.214	∅ 1/2" x 14/2	7,50
5098.219	∅ 1/2" x 16/1.5	7,50
5098.216	∅ 1/2" x 16/2	7,50
5098.217	∅ 1/2" x 17/2	7,50
5098.218	∅ 1/2" x 18/2	7,50

### RPE/ALU TUBE



CODE	Description	€/p.
5098.314	∅ 1/2" x 14/2	8,20
5098.316	∅ 1/2" x 16/2	8,20
5098.326	∅ 1/2" x 16/2.2	8,20
5098.318	∅ 1/2" x 18/2	8,20

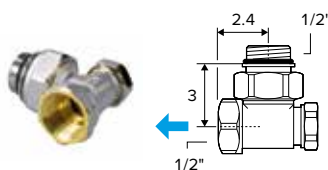
### STEEL TUBE



CODE	Description	€/p.
5094.502	∅ 1/2" x 1/2"	9,60
5094.504	∅ 1/2" x 3/8"	9,60

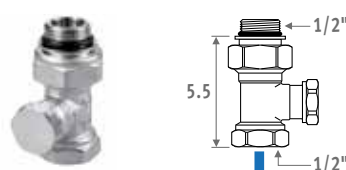
## JAGA LOCKSHIELDS 1/2"

### Connection to the wall 90°



CODE		€
5090.110	nickle-plated	12,90

### Connection to the floor 180°



CODE		€
5090.109	nickle-plated	12,90



# 1/2" FEMALE THREAD

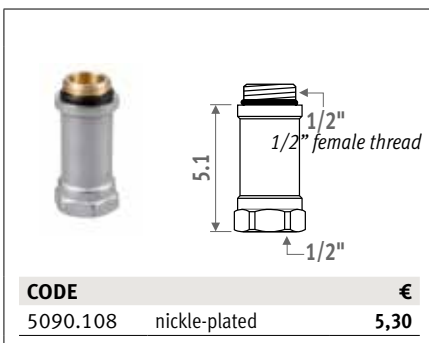
## Extended air vent 1/8"

- standard delivered with
  - Strada
  - Knockonwood
  - devices with Twin heat exchanger
- optionally applicable for
  - standard heat exchanger type 10/15/20
- not possible for
  - Mini
  - Play



CODE	Height casing		€
5090.114078	Linea Plus	020	8,50
5090.114178		035	9,20
5090.114378		050	10,10
5090.114528		065	10,60
5090.114728		090	11,70
5090.114078	Tempo	020	8,50
5090.114178	Installation	030	9,20
5090.114278	into a wall	040	9,80
	recess		
5090.114378		050	10,10
5090.114378		060	10,10
5090.114528		070	10,60
5090.114728		090	11,70

## EXTENSION PIPE



CODE		€
5090.108	nickle-plated	5,30

# LOW-H<sub>2</sub>O VALVES

## JAGA PRO VALVE

M24 male thread

### Jaga Pro



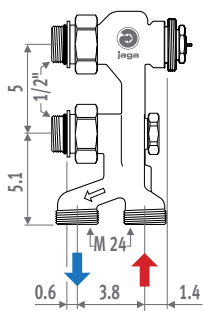
CODE	JAGA PRO	€
5094.4414	two pipe	56
5094.4409	one pipe	56
5094.413	two pipe - reduced Kv	56

specially shortened thermostatic valve in order to be fully concealed within the casing

- connection M24 male thread
- for one or two pipe
- with pre-setting in 6 steps
- completely lockable (flow and return)
- with screw thread M30 x 1.5 (Heimeier compatible)
- with synthetic spindle protection for setting on site

KV-value:

- two pipe: Standard Kv-value:: 0.03 to 0.60 m<sup>3</sup>/h
- Reduced Kv-value:0.045 to 0.2 m<sup>3</sup>/u (identification: red coloured spindle protection)
- one pipe: 50% to 0%



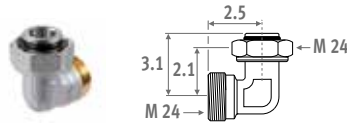
The valve extends to 2 cm below the casing



Regulator screw (hex screw 5 mm).  
Regulation: see pressure drop graph

Recognition one pipe valve

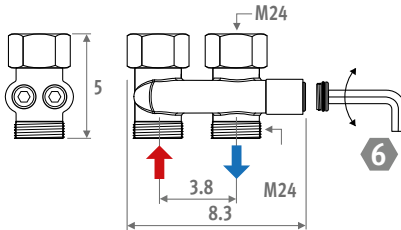
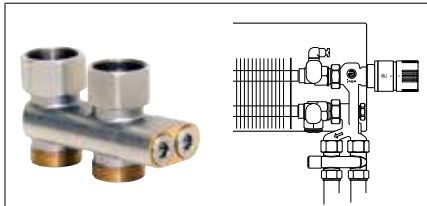
### Angle 90° M24 x M24



CODE	€
5095.020 nickle-plated	6,80

Angle for connection to the wall.

### Reversal piece with lockshields for Jaga Pro valves



CODE	€
5094.520 nickle-plated	37

Adaptor for renovation to switch flow and return of all Jaga Pro valves.  
For use with sleeve couplings M24.

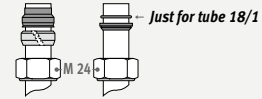
# M24 MALE THREAD

### Sleeve couplings M24

#### Max. tightening torque

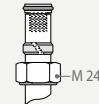
- Precision metal tube
- soft copper 45-55 Nm
  - semi-hard copper 60-80 Nm
  - mild steel 60-70 Nm
- Synthetic 30-40 Nm  
RPE/ALU 20-30 Nm

### PRECISION METAL TUBE



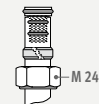
CODE	Description	€/p.
5094.110	∅ M24 x 10/1	3,30
5094.112	∅ M24 x 12/1	3,30
5094.114	∅ M24 x 14/1	3,30
5094.115	∅ M24 x 15/1	3,30
5094.116	∅ M24 x 16/1	3,30
5094.118	∅ M24 x 18/1	3,30

### SYNTHETIC TUBE



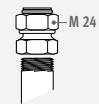
CODE	Description	€/p.
5094.212	∅ M24 x 12/2	4,30
5094.214	∅ M24 x 14/2	4,30
5094.219	∅ M24 x 16/1.5	4,30
5094.216	∅ M24 x 16/2	4,30
5094.217	∅ M24 x 17/2	4,30
5094.218	∅ M24 x 18/2	4,30

### RPE/ALU TUBE



CODE	Description	€/p.
5094.314	∅ M24 x 14/2	4,90
5094.316	∅ M24 x 16/2	4,90
5094.326	∅ M24 x 16/2.2	4,90
5094.318	∅ M24 x 18/2	4,90

### STEEL TUBE



CODE	Description	€/p.
5094.501	∅ M24 x 1/2"	6,60
5094.503	∅ M24 x 3/8"	6,60

## WHY A JAGA HEIMEIER ECLIPSE VALVE WITH AUTOMATIC FLOW LIMITER?

The Jaga Heimeier Eclipse valve features a unique integrated flow regulator that prevents excess flow. The desired flow rate is very easy to set for each radiator. This flow rate is never exceeded, even when the flow rate is excessive because other valves are closed. The Jaga Heimeier Eclipse valve automatically controls the flow independently of the pressure difference. This means complicated calculations to determine settings are unnecessary.

### ADVANTAGES

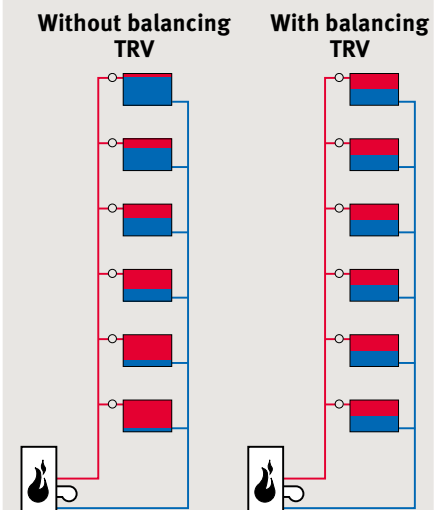
- Automatic flow limiter through integrated continuously flow regulator for reliable and even temperature control
- Maintains almost noiseless the correct flow rate
- Accurate regulation, even under partial load
- Optimally for renovation through standardized dimensions, interchangeable with the standard Jaga valves
- Continuously balancing TRV between 1 (10 l/h) and 15 (150 l/h)
- For pressure differences up to 60 kPa
- DIN EN 215 tested and certificated

## WHY A BALANCING THERMOSTATIC RADIATOR VALVE?

Due to the application of the specially designed Jaga and Jaga Danfoss pre-settable TRVs, the flow rate of the water ( $K_v$ ) in the heating elements can be adjusted exactly to ensure optimal performance of the TRVs.

When all TRVs are fully opened, the balancing control allows the remotest heating elements to get the necessary flow of hot water. The water flow temperature can be set back earlier because all of the heating elements heat up in a uniform manner thereby minimising energy loss.

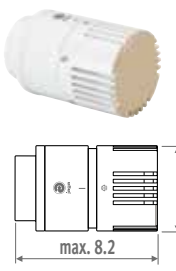
Noise from flowing water will also be reduced thanks to the balancing flow control. The optimal water distribution may allow a smaller water circulation pump to be installed.



*The water distribution to the heating elements after the night low demand period when all TRVs are fully open. The system on the right has balanced TRVs fitted, the one on the left does not.*

# THERMOSTATIC HEADS

## JAGA THERMOSTATIC HEAD



white RAL 9016

max. 8.2  
ø 4.8

CODE		€
5090.1125	white RAL 9016	44
5090.1126	black RAL 9005	42

- anti-freeze protection 6°C.
- min. and max. temperature control (5-26°C) by ring-system.
- screw connection M30 x 1.5
- max water flow temperature 110°C

### Theft protection




white RAL 9016

CODE		€
5090.1118	white RAL 9016	13,00

Theft protection for Jaga thermostatic heads (see above). Setting the temperature remains possible.  
Only available in white RAL 9016.  
Not applicable with Knockonwood and Strada in combination with a Jaga Pro valve.

## JAGA MANUAL HEAD




white RAL 9010

max. 3.8  
ø 3.7

CODE		€
5090.110103	white RAL 9010	5,60

## JAGA DECO THERMOSTATIC HEAD



Jaga chrome

Jaga silver

Jaga black  
Available from 11/2021


Jaga white RAL 9016

max. 8.6  
ø 3.8

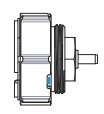
CODE		€
5090.1151	chrome	54
5090.1152	silver	44
5090.1153	black	44
5090.1150	white RAL 9016	36

- liquid filled
- anti-freeze protection 7°C and adjustable from 10 up to 28°C (Jaga Comap: 6 up to 30°C)
- Jaga Comap: max. temperature control by ring-system
- screw connection M30 x 1.5
- max. watertemperature 110°C

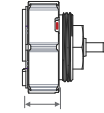
## JAGA ADAPTOR FOR THERMOSTATIC HEADS IN HYBRID INSTALLATIONS



PATENT PENDING



Valve locked - open for cooling




Valve operated thermostatic by TRV head


16 mm

CODE		€
5090.1114		29

Adaptor for converting thermostatic valves with a thermostatic head, to prevent the cold water supply from being cut off by the thermostatic head in summer.



## JAGA HEIMEIER THERMOSTATIC HEAD HEATING AND COOLING




white RAL 9016

max. 9.3  
ø 5.3

CODE		€
5090.1161	white RAL 9016	91

- VT-score: 0.20
- hysteresis EN215: 0.15 K
- water temperature influence EN215: 0.35 K
- liquid filled
- heating adjustable from 6 to 28°C + cooling
- anti-freeze protection 6°C
- min. and max. temperature control by economy clips
- screw connection M30 x 1.5
- max. water temperature 120°C
- TELL-score Thermostatic Efficiency Labelling) A

## JAGA HEIMEIER THERMOSTATIC HEAD

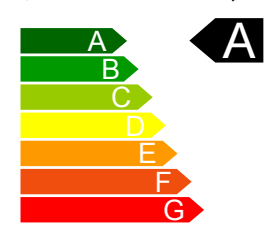


white RAL 9016

max. 9.3  
ø 5.3

CODE		€
5090.1160	white RAL 9016	49

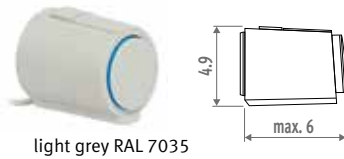
- VT-score: 0.20
- hysteresis EN215: 0.15 K
- water temperature influence EN215: 0.35 K
- liquid filled
- adjustable from 6 to 28°C
- anti-freeze protection 6°C
- min. and max. temperature control by economy clips
- screw connection M30 x 1.5
- max. water temperature 120°C
- TELL-score (Thermostatic Efficiency Labelling)



# THERMOSTATIC HEADS

## THERMOELECTRIC DRIVE

24 VDC / 230 VAC\*



light grey RAL 7035

CODE		€
8727.0202	24 VDC	46
7990.4091	230 VAC*	46

\* 230 VAC: in case of floor recessed installation, only mount on the distributor, never in the duct!

- screw connection M30 x 1.5, with snap fastening, suitable for all Jaga valves
- with varistor to protect against power surges
- with position indicator (open / closed)
- cable length: 1 m
- max. water temperature: 100°C
- insulation class: IP 54 / III
- CE as per EN 60730



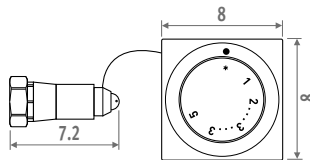
*In case of installation in a wall recess, all Jaga valves can be used in combination with a thermoelectric drive.*

## JAGA DANFOSS REMOTE CONTROLLED HEAD



white RAL 9010

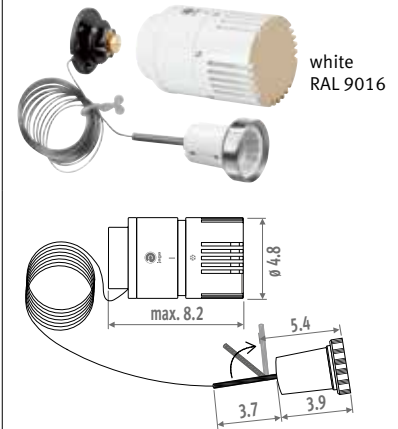
Screw thread M30, suited for all Jaga valves



CODE		€
5090.1071	white RAL 9010	127

- remote controlled Trv head for heating elements installed in places with difficult access
- length of capillary: 2 m
- conducting capillary: min. 23 mm
- remote sensor, wire and the control knob are all liquid filled
- anti-freeze protection 7.5°C
- both the min. and max. temperature can be limited (6-28°C).
- max water flow temperature 120°C

## JAGA REMOTE CONTROLLED HEAD



white RAL 9016

CODE		€
5090.1107	white RAL 9016	121

- remote controlled Trv head for heating elements installed in places with difficult access.
- length of capillary: 2 m.
- minimal interior diameter of the tube for conducting the capillary: 18 mm.
- liquid filled
- anti-freeze protection 6°C and adjustable from 5 up to 26°C
- screw connection M30 x 1.5
- max water flow temperature 110°C

**Attention:** these remote controlled heads can only be used with the delivered 2 meter long capillary.

# PRESSURE DROP

**JAGA CROSSFLOW, JAGA H, JAGA, JAGA DOUBLE ANGLED, JAGA HIGH LEVEL VALVE**  
 SET 25, 28, 29, 101, 102, 103, 104, 111, 112, 113, 114, 115, 116, 117, 118, 222, 225, 271, 272, 273

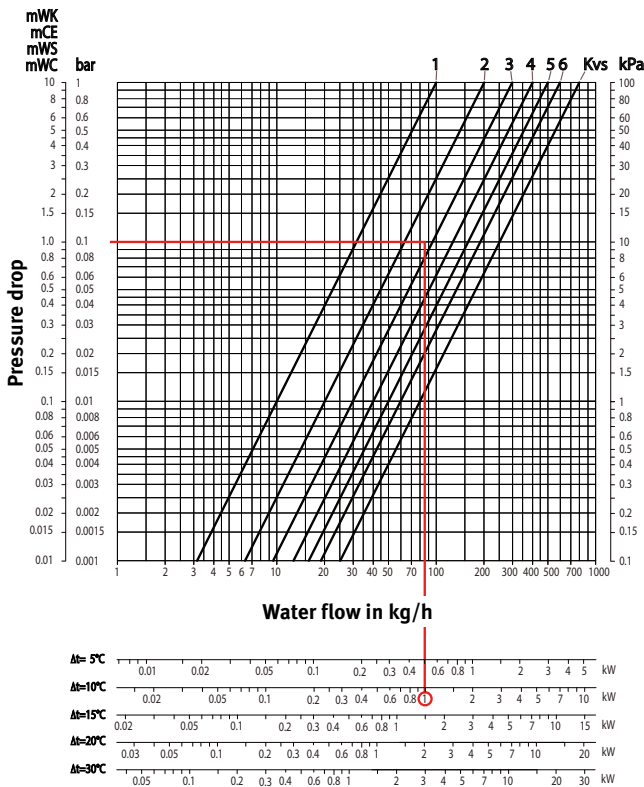
**JAGA CROSSFLOW, JAGA H, JAGA 3/4" EC, JAGA 1/2", JAGA HIGH LEVEL VALVE**

## TWO PIPE - STANDARD KV




Pre-setting	1	2	3	4	5	6	KvS
Kv: m <sup>3</sup> /h/ΔP=1 bar Kv (t = 2K)	0.1	0.2	0.3	0.4	0.5	0.6	0.8
2-pipe							

*Example:* Heat exchanger 1 kW (Table ΔT=50)  
 ΔT = 10°C (75 - 65 = 10°C)  
 ΔP = 0.1 bar (to be setted over the system)  
 Pre-setting = 3

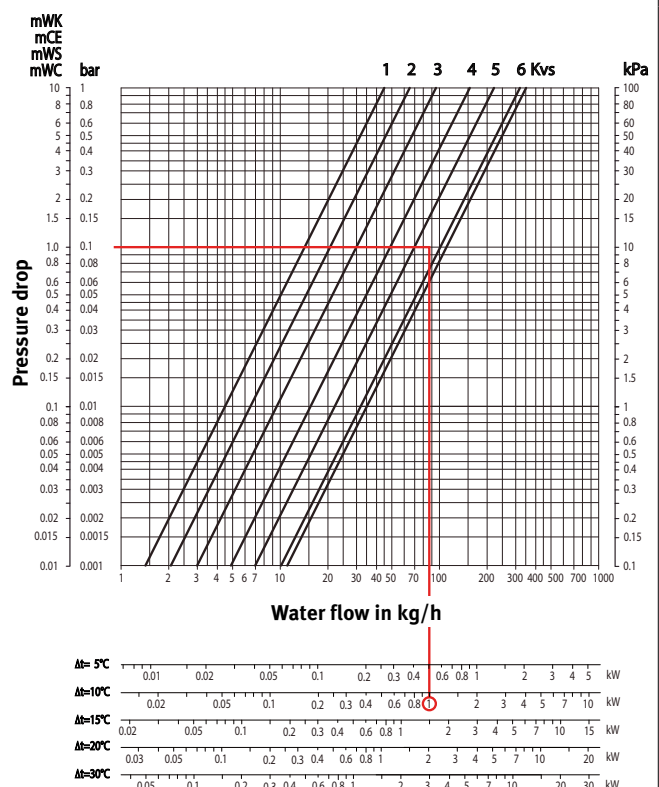


## TWO PIPE - REDUCED KV



Pre-setting	1	2	3	4	5	6	KvS
Kv: m <sup>3</sup> /h/ΔP=1 bar Kv (t = 2K)	0.045	0.065	0.095	0.155	0.220	0.320	0.350
2-pipe							

*Example:* Heat exchanger 1 kW (Table ΔT=50)  
 ΔT = 10°C (75 - 65 = 10°C)  
 ΔP = 0.1 bar (to be setted over the valve)  
 Pre-setting = 6



# PRESSURE DROP

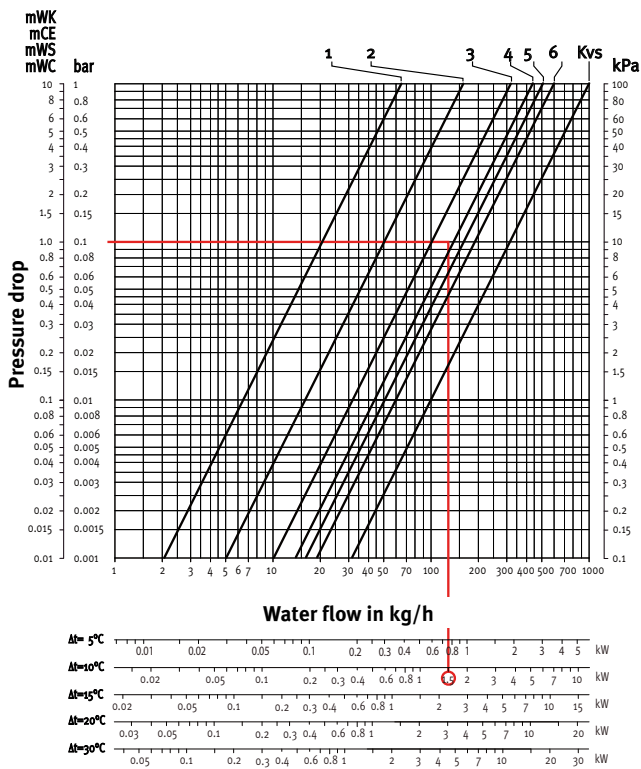
## JAGA PRO VALVE SET 11, 12

### TWO PIPE



Pre-setting	1	2	3	4	5	6	KVS
Kv: m <sup>3</sup> /h/ΔP=1 bar Kv (t = 2K)	0.07	0.16	0.32	0.44	0.51	0.60	1

Example: Heat exchanger 1 kW (Table ΔT=50)  
 ΔT = 10°C (75 - 65 = 10°C)  
 ΔP = 0.1 bar (to be setted over the valve)  
 Pre-setting = 4



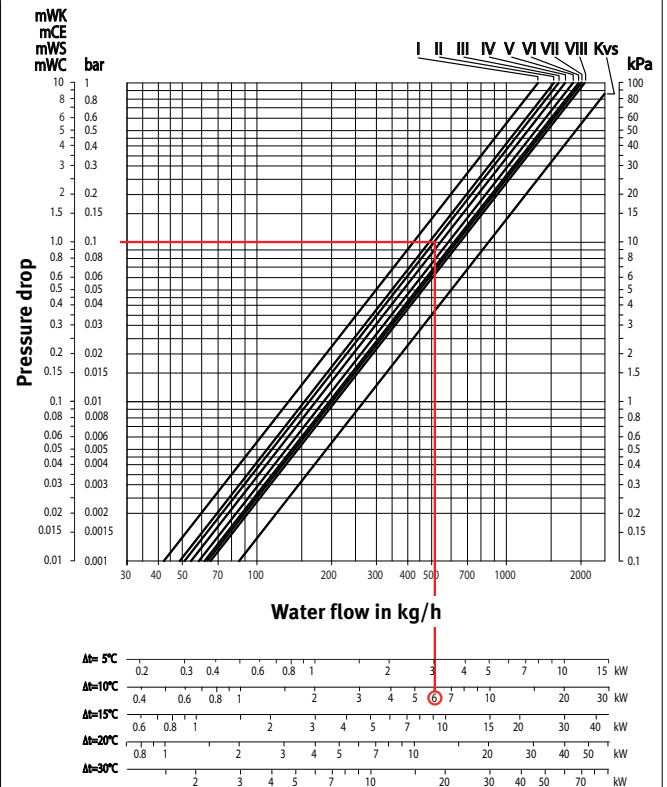
## JAGA PRO VALVE SET 13, 14

### ONE PIPE



Regulation	I	II	III	IV	V	VI	VII	VIII	KVS
Precision adjustment	closed	¼	1	1½	2	3	4	open	open
Kv: m <sup>3</sup> /h/ΔP=1 bar Kv (t = 2K)	1.34	1.55	1.62	1.72	1.85	1.95	2.00	2.06	2.68
Radiator flow %	0	13.4	17.3	21.9	27.4	31.3	32.8	35.1	50

Example: 4 Heat exchangers 1.5 kW = 6 kW (Table ΔT=50)  
 ΔT = 10°C (75 - 65 = 10°C)  
 ΔP = 0.1 bar (to be setted over the valve)  
 Pre-setting = 3



# CONNECTION SETS & VALVES

## MOST USED CONNECTION SETS M24

- To the wall 342
- To the floor 344

## SEPERATE DECO VALVES M 24 346

## THERMOSTATIC HEADS 348

## PRESSURE DROP 350

To make it even easier for you, Jaga offers you complete connection sets. With one code you can order a complete valve set, including thermostat head and sleeve couplingsgt. All Jaga valve sets are fully lockable and have a preset settingl.





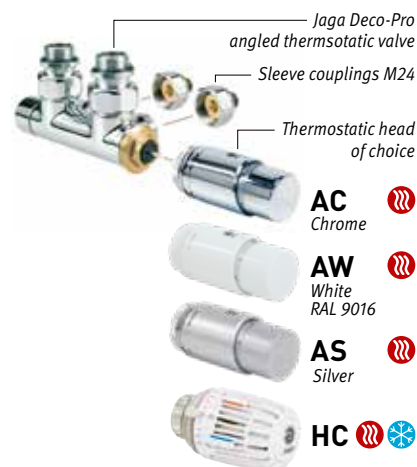


CONNECTION SETS & VALVES

## CONNECTION TO THE WALL JAGA DECO PRO

Thermostatic head left or right

### Chrome-plated set



Two pipe: Kv 0.29-1.65  
One pipe: Kv 1.50-2.20

set 41

	TRV head	€
CODE.PW3.AC.1...	AC	148
CODE.PW3.AW.1...	AW	131
CODE.PW3.AS.1...	AS	139
CODE.PW3.HC.1...	HC	187

### Set in brushed stainless steel effect (SS)



### Set in anodized aluminium effect (ALU)



Two pipe: Kv 0.29-1.65  
One pipe: Kv 1.50-2.20

set 48

	Finish	€
CODE.PW3.PS.1...	SS	311
CODE.PW3.PA.1...	ALU	311

fill in sleeve coupling code

## CONNECTION TO THE WALL JAGA DECO

### Angled



set 33

Kv 0.30-2.50

	TWO PIPE	TRV head	€
CODE.JW2.AC.1...	AC		219
CODE.JW2.AW.1...	AW		202
CODE.JW2.AS.1...	AS		209

set 36

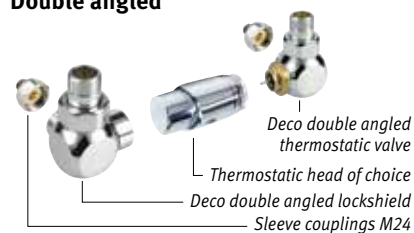
Reduced Kv 0.10-0.84\*

	TWO PIPE	TRV head	€
CODE.RW2.AC.1...	AC		219
CODE.RW2.AW.1...	AW		202
CODE.RW2.AS.1...	AS		209

fill in sleeve coupling code

\* Reduced Kv is not suitable for Iguana

### Double angled

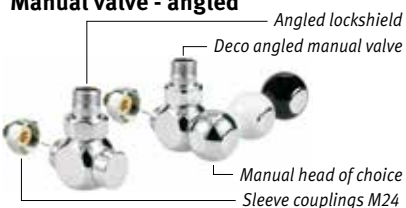


set 35

Kv 0.30-2.50

	TWO PIPE	TRV head	€
CODE.JH2.AC.1...	AC		219
CODE.JH2.AW.1...	AW		202
CODE.JH2.AS.1...	AS		209

### Manual valve - angled



set 31

	TWO PIPE	Manual head	€
CODE.MW2.MC.1...	chrome		157
CODE.MW2.MW.1...	white		157
CODE.MW2.MB.1...	black		157

fill in sleeve coupling code

## SINGLE POINT VALVES

FOR SANI AND  
PANEL PLUS HORIZONTAL

**AC**  
Chrome

**AW**  
White RAL 9016

**AS**  
Silver

Thermostatic head of choice

Angled thermostatic valve for single point connection

Sleeve couplings M24

**Two pipe: Kv 0.28-1.15**  
**One pipe: Kv 1.10-2.10**

	TRV head	€
CODE.OW2.AC.1...	AC	219
CODE.OW2.AW.1...	AW	202
CODE.OW2.AS.1...	AS	209

set 81

fill in sleeve coupling code

## SLEEVE COUPLINGS

### Ordering example

Complete ordering code with sleeve couplings according to the material used and  $\varnothing$  of the tube. Included in the price of the connection sets.

connection set code    sleeve coupling code  
CODE. PW2. AC. 1. **110**

#### PRECISION METAL TUBE

Code	Tube $\varnothing$
110	10/1
112	12/1
114	14/1
115	15/1
118	18/1

#### SYNTHETIC TUBE

Code	Tube $\varnothing$
212	12/2
219	16/1.5
216	16/2
217	17/2
218	18/2

#### RPE/ALU TUBE

Code	Tube $\varnothing$
314	14/2
316	16/2
326	16/2.2
318	18/2

#### STEEL TUBE

Code	Tube $\varnothing$
501	M24 x 1/2"
503	M24 x 3/8"

## MAX. TIGHTENING TORQUE SLEEVE COUPLINGS

Precision metal tube

- soft copper 45-55 Nm
- semi-hard copper 60-80 Nm
- mild steel 60-70 Nm

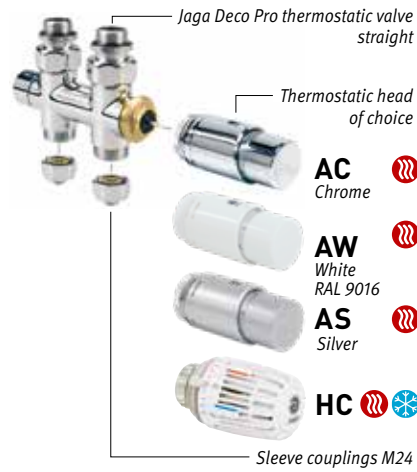
Synthetic 30-40 Nm

RPE/ALU 20-30 Nm

## CONNECTION TO THE FLOOR JAGA DECO PRO

Thermostatic head left or right.

### Chrome-plated set



Two pipe: Kv 0.29-1.65

One pipe: Kv 1.50-2.20

set 42

	TRV head	€
CODE.PF3.AC.1...	AC	148
CODE.PF3.AW.1...	AW	131
CODE.PF3.AS.1...	AS	139
CODE.PF3.HC.1...	HC	187

### Set in brushed stainless steel effect (SS)



### Set in anodized aluminium effect (ALU)



Two pipe: Kv 0.29-1.65

One pipe: Kv 1.50-2.20

set 49

	Finish	€
CODE.PF3.PS.1...	SS	311
CODE.PF3.PA.1...	ALU	311

fill in sleeve coupling code

## CONNECTION TO THE FLOOR JAGA DECO

### Straight



set 34 Kv 0.30-2.50

	TWO PIPE	TRV head	€
CODE.JF2.AC.1...	AC		219
CODE.JF2.AW.1...	AW		202
CODE.JF2.AS.1...	AS		209

set 37 Reduced Kv 0.10-0.84\*

		TRV head	€
CODE.RF2.AC.1...	AC		219
CODE.RF2.AW.1...	AW		202
CODE.RF2.AS.1...	AS		209

fill in sleeve coupling code

\* Reduced Kv is not suitable for Iguana

### Straight manual



set 32

	TWO PIPE	Manual head	€
CODE.MF2.MC.1...	chrome		157
CODE.MF2.MW.1...	white		157
CODE.MF2.MB.1...	black		157

fill in sleeve coupling code

## SINGLE POINT VALVES

FOR SANI AND  
PANEL PLUS HORIZONTAL

**AC**  
Chrome

**AW**  
White RAL 9016

**AS**  
Silver

Thermostatic head of choice

Straight thermostatic valve for single point connection

Sleeve couplings M24

Two pipe: Kv 0.28-1.15  
One pipe: Kv 1.10-2.10

set 82	TRV head	€
CODE.OF2.AC.1...	AC	219
CODE.OF2.AW.1...	AW	202
CODE.OF2.AS.1...	AS	209

fill in sleeve coupling code

## SLEEVE COUPLINGS

### Ordering example

Complete ordering code with sleeve couplings according to the material used and  $\varnothing$  of the tube. Included in the price of the connection sets.

connection set code    sleeve coupling code  
CODE.PW2.AC.1. **110**

#### PRECISION METAL TUBE

Code	Tube $\varnothing$
110	10/1
112	12/1
114	14/1
115	15/1
118	18/1

#### SYNTHETIC TUBE

Code	Tube $\varnothing$
212	12/2
219	16/1.5
216	16/2
217	17/2
218	18/2

#### RPE/ALU TUBE

Code	Tube $\varnothing$
314	14/2
316	16/2
326	16/2.2
318	18/2

#### STEEL TUBE

Code	Tube $\varnothing$
501	M24 x 1/2"
503	M24 x 3/8"

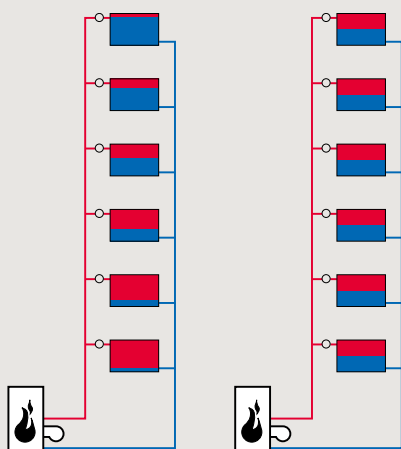
# WHY A BALANCING THERMOSTATIC RADIATOR VALVE?

Due to the application of the specially designed Jaga and Jaga Danfoss pre-settable TRVs, the flow rate of the water (Kv) in the heating elements can be adjusted exactly to ensure optimal performance of the TRVs.

When all TRVs are fully opened, the balancing control allows the remotest heating elements to get the necessary flow of hot water. The water flow temperature can be set back earlier because all of the heating elements heat up in a uniform manner thereby minimising energy loss.

Noise from flowing water will also be reduced thanks to the balancing flow control. The optimal water distribution may allow a smaller water circulation pump to be installed.

**Without balancing TRV**      **With balancing TRV**



The water distribution to the heating elements after the night low demand period when all TRVs are fully open. The system on the right has balanced TRVs fitted, the one on the left does not.

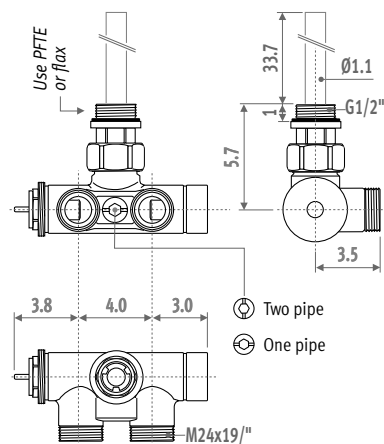
## DECO VALVES - M24

### JAGA DECO ANGLED SINGLE POINT CONNECTION



CODE		€
5094.428	chrome	146

- for connection to the wall
- for one or two pipe
- thermostatic head can be placed left or right
- flow left or right, independent from the position of the thermostatic head
- with synthetic spindle protection for setting on site.
- balancing:
  - Kv 0.28 - 1.15 m<sup>3</sup>/h (2-pipe)
  - Kv 1.10 - 2.10 m<sup>3</sup>/h (1-pipe)

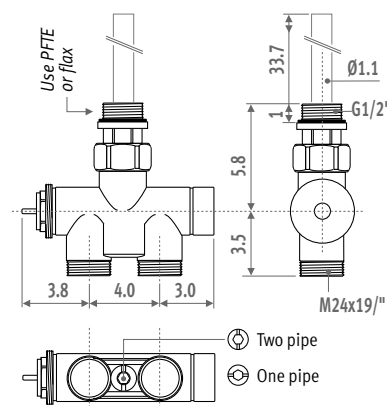


### JAGA DECO STRAIGHT SINGLE POINT CONNECTION



CODE		€
5094.426	chrome	146

- for connection to the floor
- for one or two pipe
- thermostatic head can be placed left or right
- flow left or right, independent from the position of the thermostatic head
- with synthetic spindle protection for setting on site.
- balancing:
  - Kv 0.28 - 1.15 m<sup>3</sup>/h (2-pipe)
  - Kv 1.10 - 2.10 m<sup>3</sup>/h (1-pipe)



### DECO THERMOSTATIC HEAD



CODE		€
5090.1150	white RAL 9016	36
5090.1151	chrome	54
5090.1152	silver	44

- liquid filled anti-freeze protection 7°C and regulable from 10 to 28°C
- screw connection M30 x 1.5
- max. water temperature 110°C

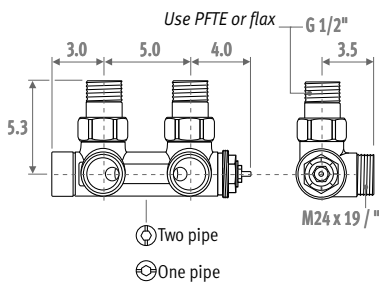
## JAGA DECO PRO ANGLED

For all radiators with connection MM, LL or RR



CODE		€
5094.427	chrome	70
5094.432	anodized alu. effect	199
5094.433	brushed SS effect	199

- for connection to the wall
- for one or two pipe
- TRV head can be placed left or right
- flow left or right, independent from the position of the thermostatic head
- with synthetic spindle protection for setting on site
- balancing:
  - Kv 0.29 - 1.65 m<sup>3</sup>/h (2-pipe)
  - Kv 1.50 - 2.20 m<sup>3</sup>/h (1-pipe)



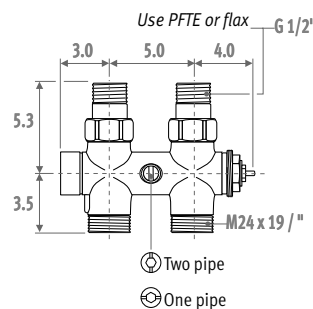
## JAGA DECO PRO STRAIGHT

For all radiators with connection MM, LL or RR



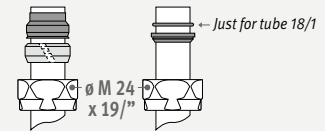
CODE		€
5094.425	chrome	70
5094.434	anodized alu. effect	199
5094.435	brushed SS effect	199

- connection to the floor
- for one or two pipe
- TRV head can be placed left or right
- flow left or right, independent from the position of the thermostatic head
- with synthetic spindle protection for setting on site
- balancing:
  - Kv 0.29 - 1.65 m<sup>3</sup>/h (2-pipe)
  - Kv 1.50 - 2.20 m<sup>3</sup>/h (1-pipe)



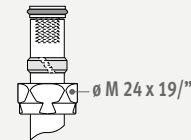
## Chrome-plated sleeve couplings for Jaga Deco and Jaga Deco Pro

### PRECISION METAL TUBE



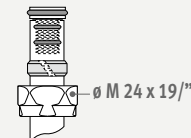
CODE	Description	Alu.	
		chrome €/p.	SS. €/p.
5094.1110	Ø M24 x 10/1	4,70	9,00
5094.1112	Ø M24 x 12/1	4,70	9,00
5094.1114	Ø M24 x 14/1	4,70	9,00
5094.1115	Ø M24 x 15/1	4,70	9,00
5094.1118	Ø M24 x 18/1	4,70	9,00

### SYNTHETIC TUBE



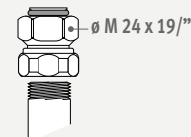
CODE	Description	Alu.	
		chrome €/p.	SS. €/p.
5094.1212	Ø M24 x 12/2	5,90	11,10
5094.1219	Ø M24 x 16/1.5	5,90	11,10
5094.1216	Ø M24 x 16/2	5,90	11,10
5094.1217	Ø M24 x 17/2	5,90	11,10
5094.1218	Ø M24 x 18/2	5,90	11,10

### RPE/ALU TUBE



CODE	Description	Alu.	
		chrome €/p.	SS. €/p.
5094.1314	Ø M24 x 14/2	8,20	14,30
5094.1316	Ø M24 x 16/2	8,20	11,00
5094.1326	Ø M24 x 16/2.2	8,20	14,30
5094.1318	Ø M24 x 18/2	8,20	14,30

### STEEL TUBE FOR C.H.



CODE	Description	Alu.	
		chrome €/p.	SS. €/p.
5094.1501	Ø M24 x 1/2"	8,40	13,90

## DECO THERMOSTATIC HEAD



white RAL 9016



chrome



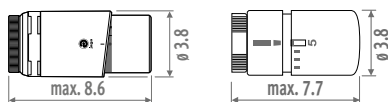
silver



brushed stainless steel effect



anodized alu. effect



CODE		€
5090.1150	white RAL 9016	36
5090.1151	chrome	54
5090.1152	silver	44
5090.1123	anodized alu. effect	89
5090.1124	brushed stainless steel effect	89

- liquid filled anti-freeze protection 7°C and regulable from 10 to 28°C
- screw connection M30 x 1.5
- max. water temperature 110°C

**!** for Alu., replace 1 with 6  
for SS., replace 1 with 7

# DECO VALVES - M24

## JAGA DECO ANGLED

### Thermostatic valve

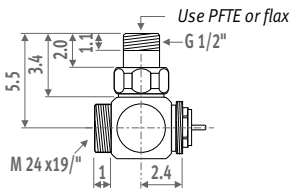


CODE	STANDARD KV	€
5094.422	chrome	80

CODE	REDUCED KV *	€
5094.5422	chrome	80

\* Reduced Kv is not suitable for Iguana

- for connection to the wall
- with synthetic spindle protection for setting on site (standard Kv: white / reduced Kv: red)
- balancing:
  - standard Kv 0.30 - 2.50 m<sup>3</sup>/h
  - reduced Kv 0.10 - 0.84 m<sup>3</sup>/h

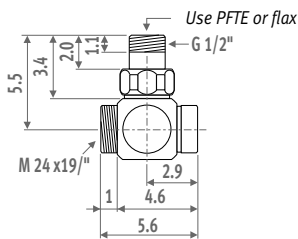


### Lockshield



CODE	€
5096.004 chrome	70

- for connection to the wall
- suitable for pre-setting (see pressure drop graph)



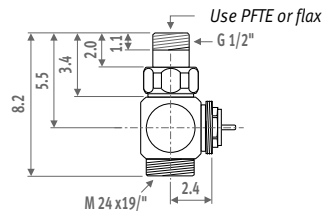
## JAGA DECO STRAIGHT

### Thermostatic valve



CODE	STANDARD KV	€
5094.420	chrome	80

- for connection to the floor
- with synthetic spindle protection for setting on site (standard Kv: white / reduced Kv: red)
- balancing:
  - standard Kv 0.30 - 2.50 m<sup>3</sup>/h
  - reduced Kv 0.10 - 0.84 m<sup>3</sup>/h

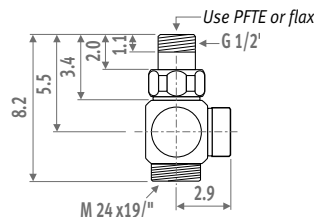


### Lockshield



CODE	€
5096.003 chrome	70

- for connection to the floor
- suitable for pre-setting (see pressure drop graph)



## JAGA DECO DOUBLE ANGLED

### Thermostatic valve

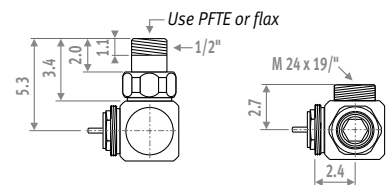


CODE	STANDARD KV	€
5094.423	chrome	80

CODE	REDUCED KV *	€
5094.5423	chrome	80

\* Reduced Kv is not suitable for Iguana

- for connection to the wall on the right side of the radiator.
- with synthetic spindle protection for setting on site (standard Kv: white / reduced Kv: red)
- balancing:
  - standard Kv 0.30 - 2.50 m<sup>3</sup>/h
  - reduced Kv 0.10 - 0.84 m<sup>3</sup>/h

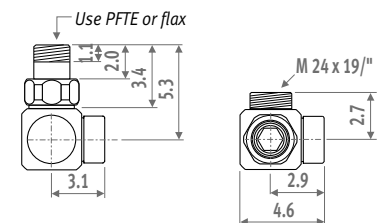


### Lockshield



CODE	€
5096.005 chrome	70

- for connection to the wall at the left hand side of the radiator.
- suitable for pre-setting (see pressure drop graph)



## DECO THERMOSTATIC HEAD



white RAL 9016

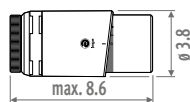


chrome



silver

CODE	€
5090.1150 white RAL 9016	36
5090.1151 chrome	54
5090.1152 silver	44



- liquid filled anti-freeze protection 7°C and regulable from 10 to 28°C
- screw connection M30 x 1.5
- max. water temperature 110°C

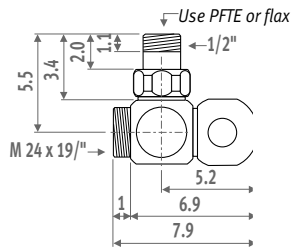


## JAGA DECO ANGLED MANUAL VALVE



CODE		€
5096.00201	chrome	70
5096.00202	white	70
5096.00203	black	70

- manual chrome-plated valve for connection to the wall
- head included
- head in 3 colours, with chrome-plated screw

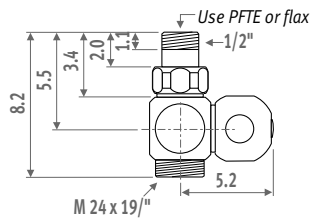


## JAGA DECO STRAIGHT MANUAL VALVE



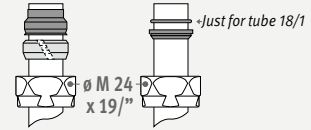
CODE		€
5096.00101	chrome	70
5096.00102	white	70
5096.00103	black	70

- manual chrome-plated valve for connection to the floor
- head included
- head in 3 colours, with chrome-plated screw



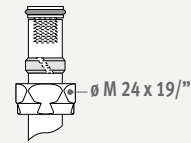
## Sleeve couplings

### PRECISION METAL TUBE



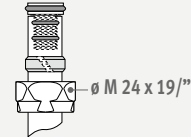
CODE	Description	€/p.
5094.1110	Ø M24 x 10/1	4,70
5094.1112	Ø M24 x 12/1	4,70
5094.1114	Ø M24 x 14/1	4,70
5094.1115	Ø M24 x 15/1	4,70
5094.1118	Ø M24 x 18/1	4,70

### SYNTHETIC TUBE



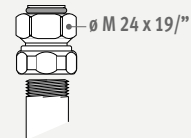
CODE	Description	€/p.
5094.1212	Ø M24 x 12/2	5,90
5094.1219	Ø M24 x 16/1.5	5,90
5094.1216	Ø M24 x 16/2	5,90
5094.1217	Ø M24 x 17/2	5,90
5094.1218	Ø M24 x 18/2	5,90

### RPE/ALU TUBE



CODE	Description	€/p.
5094.1314	Ø M24 x 14/2	8,20
5094.1316	Ø M24 x 16/2	8,20
5094.1326	Ø M24 x 16/2.2	8,20
5094.1318	Ø M24 x 18/2	8,20

### STEEL TUBE FOR C.H.



CODE	Description	€/p.
5094.1501	Ø M24 x 1/2"	8,40

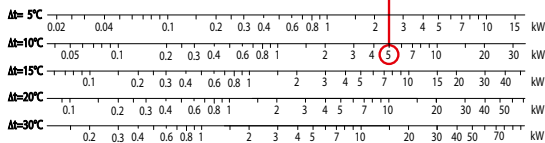
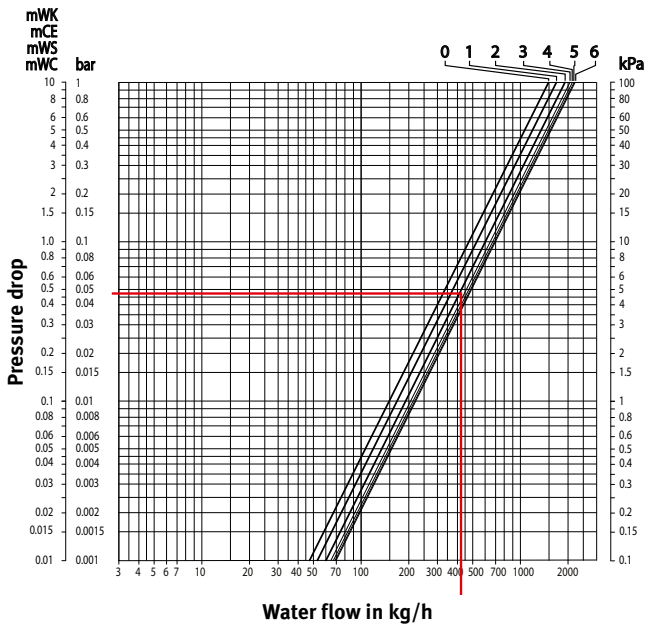
# PRESSURE DROP

## DECO PRO THERMOSTATIC VALVE ANGLED / STRAIGHT ONE PIPE



Pre-setting	0	1	2	3	4	5	6	7
Radiator flow %	0	11	21	26	29	31	32	32
Kv: m <sup>3</sup> /h/ΔP=1 bar Kv (t=2K)	1.50	1.68	1.90	2.04	2.12	2.17	2.20	2.20

Example: radiator 5 kW (Table ΔT=50)  
 ΔT = 10°C (75 - 65 = 10°C)  
 ΔP = 0.07 bar  
 Pre-setting = 1  
 Kv = 1.68 m<sup>3</sup>/h



### Technical data

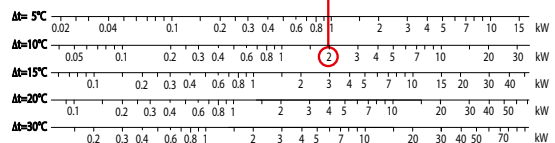
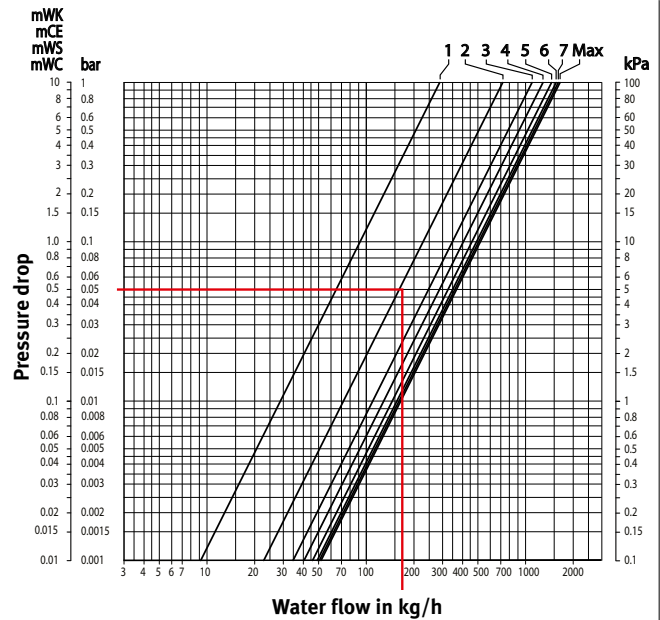
Max. water temperature: 120°C  
 Max. pressure of the system: 10 bar  
 Max. pressure drop 0.6 bar complying to the noise standard ISO 3743

## DECO PRO THERMOSTATIC VALVE ANGLED / STRAIGHT TWO PIPE



Pre-setting	0	1	2	3	4	5	6	7	max.
Radiator flow %	0	100	100	100	100	100	100	100	100
Kv: m <sup>3</sup> /h/ΔP=1 bar Kv (t=2K)	0	0.29	0.72	1.10	1.29	1.46	1.56	1.61	1.65

Example: radiator 2 kW (Table ΔT=50)  
 ΔT = 10°C (75 - 65 = 10°C)  
 ΔP = 0.05 bar  
 Pre-setting = 2  
 Kv = 0.72 m<sup>3</sup>/h



### Technical data

Max. water temperature: 120°C  
 Max. pressure of the system: 10 bar  
 Max. pressure drop 0.6 bar complying to the noise standard ISO 3743

# PRESSURE DROP

## DECO THERMOSTATIC VALVE STANDARD KV ANGLED / DOUBLE ANGLED



Pre-setting	0	1	2	3	4	5	6	7	max.
Radiator flow %	0	100	100	100	100	100	100	100	100
Kv: m <sup>3</sup> /h/ΔP=1 bar Kv (t=2K)	0	0.30	0.70	1.03	1.31	1.56	1.76	1.90	2.50

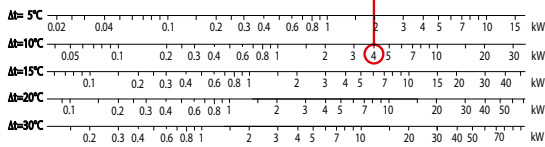
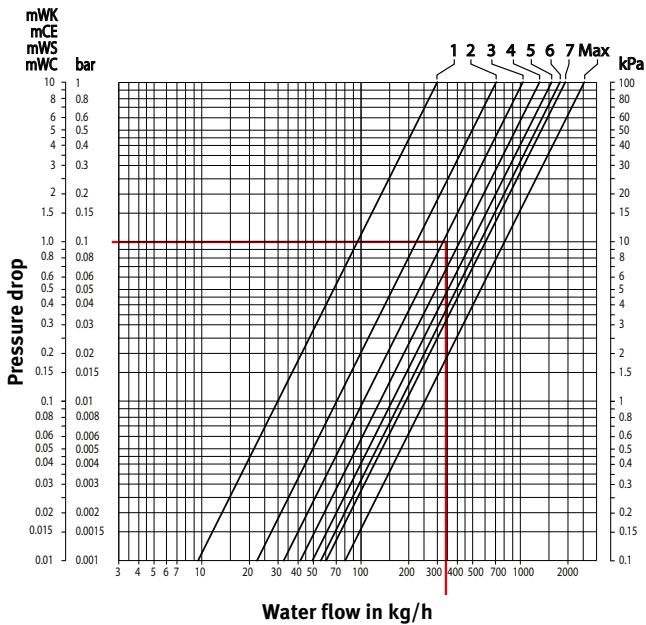
Example: radiator 4 KW (Table ΔT=50)

$$\Delta T = 10^{\circ}\text{C} (75 - 65 = 10^{\circ}\text{C})$$

$$\Delta P = 0.1 \text{ bar}$$

$$\text{Pre-setting} = 3$$

$$Kv = 1.03 \text{ m}^3/\text{h}$$



### Technical data

Max. water temperature: 120°C

Max. pressure of the system: 10 bar

Max. pressure drop 0.6 bar complying to the noise standard ISO 3743

## DECO THERMOSTATIC VALVE STANDARD KV STRAIGHT



Pre-setting	0	1	2	3	4	5	6	7	max.
Radiator flow %	0	100	100	100	100	100	100	100	100
Kv: m <sup>3</sup> /h/ΔP=1 bar Kv (t=2K)	0	0.30	0.73	1.07	1.30	1.45	1.54	1.60	1.85

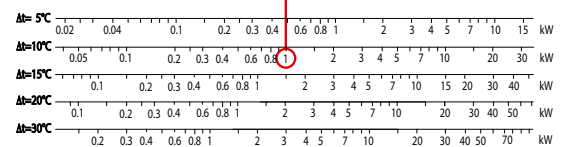
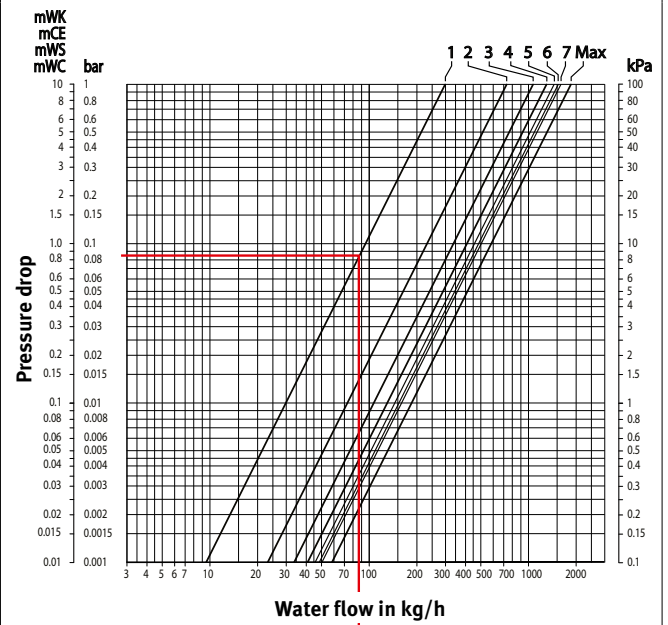
Example: radiator 1 KW (Table ΔT=50)

$$\Delta T = 10^{\circ}\text{C} (75 - 65 = 10^{\circ}\text{C})$$

$$\Delta P = 0.085 \text{ bar}$$

$$\text{Pre-setting} = 1$$

$$Kv = 0.3 \text{ m}^3/\text{h}$$



### Technical data

Max. water temperature: 120°C

Max. pressure of the system: 10 bar

Max. pressure drop 0.6 bar complying to the noise standard ISO 3743

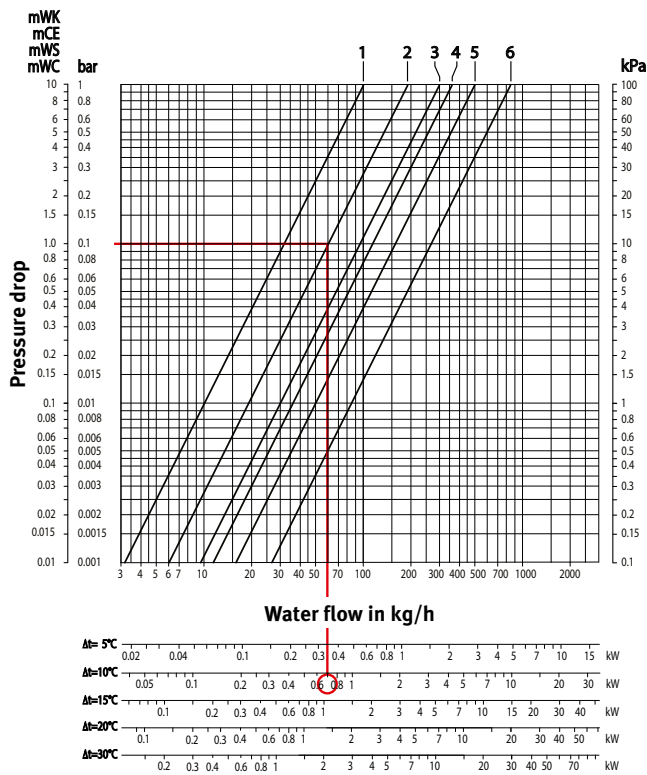
# PRESSURE DROP

## DECO THERMOSTATIC VALVE REDUCED KV ANGLED / DOUBLE ANGLED / STRAIGHT



Pre-setting	0	1	2	3	4	5	6
Radiator flow %	0	100	100	100	100	100	100
Kv: m <sup>3</sup> /h/ΔP=1 bar Kv (t=2K)	0	0.10	0.19	0.30	0.36	0.50	0.84

Example: radiator 0.7 KW (Table ΔT=50)  
 ΔT = 10°C (75 - 65 = 10°C)  
 ΔP = 0.1 bar  
 Pre-setting = 2  
 Kv = 0.19 m<sup>3</sup>/h



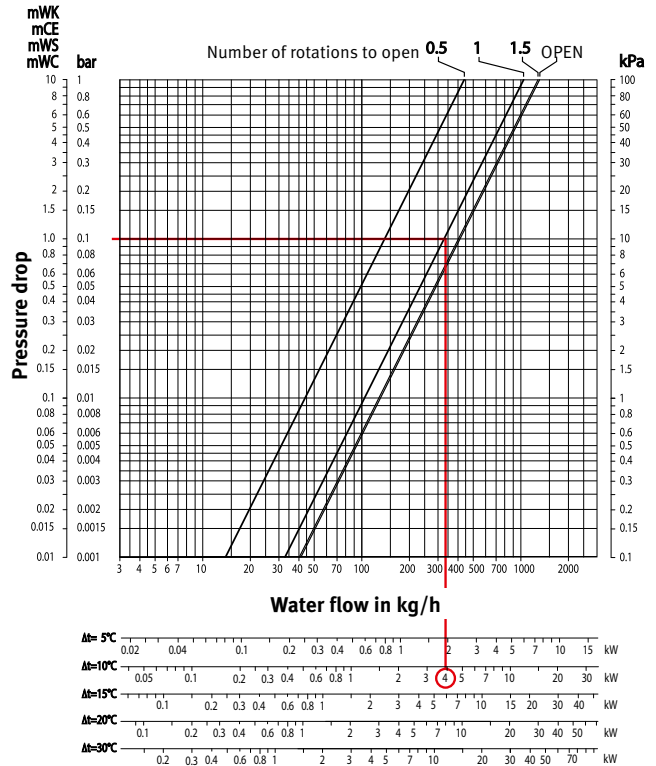
**Technical data**  
 Max. water temperature: 120°C  
 Max. pressure of the system: 10 bar  
 Max. pressure drop 0.6 bar complying to the noise standard ISO 3743

## LOCKSHIELD ANGLED / DOUBLE ANGLED / STRAIGHT



Number of rotations	closed	0.5	1.0	1.5	open
Radiator flow %	0	100	100	100	100
Kv: m <sup>3</sup> /h/ΔP=1 bar Kv (t=2K)	0	0.44	1.04	1.28	1.31

Example: radiator 4 KW (Table ΔT=50)  
 ΔT = 10°C (75 - 65 = 10°C)  
 ΔP = 0.1 bar  
 Number of rotations = 1  
 Kv = 1.04 m<sup>3</sup>/h



**Technical data**  
 - Max. water flow temperature: 120°C  
 - Max. pressure of system: 10 bar

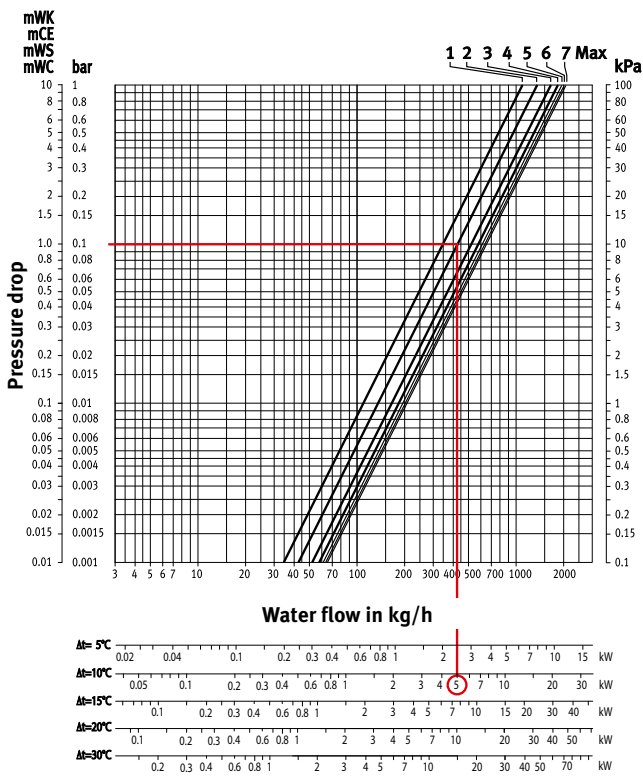
# PRESSURE DROP

## THERMOSTATIC VALVE FOR SINGLE POINT CONNECTION ONE PIPE



Pre-setting	0	1	2	3	4	5	6	7
Radiator flow %	0	19	34	40	43,5	45,5	47	47,5
Kv: m <sup>3</sup> /h/ΔP=1 bar Kv (t=2K)	1.10	1.36	1.66	1.84	1.95	2.02	2.07	2.10

Example: radiator 5 KW (Table ΔT=50)  
 ΔT = 10°C (75 - 65 = 10°C)  
 ΔP = 0.1 bar  
 Pre-setting = 2  
 Kv = 1.66 m<sup>3</sup>/h



### Technical data

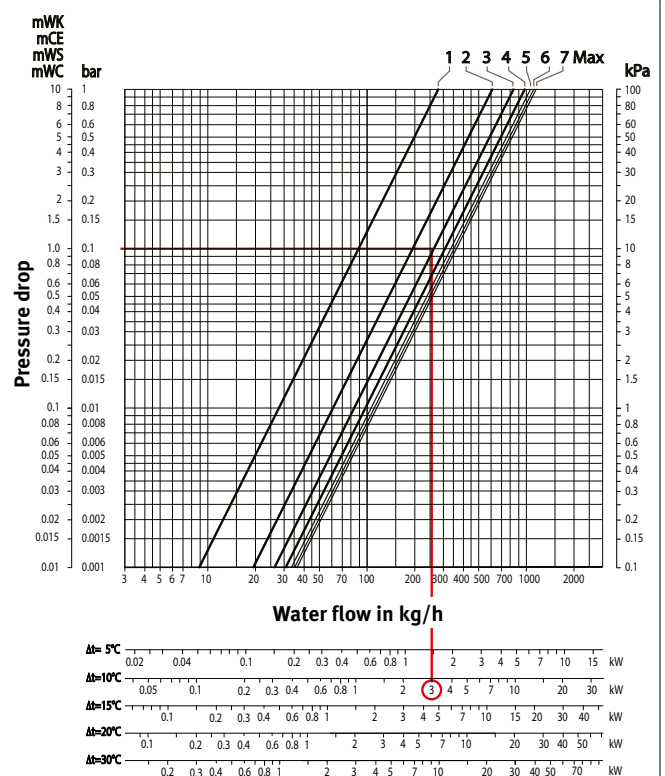
Max. water temperature: 120°C  
 Max. pressure of the system: 10 bar  
 Max. pressure drop 0.6 bar complying to the noise standard ISO 3743

## THERMOSTATIC VALVE FOR SINGLE POINT CONNECTION TWO PIPE



Pre-setting	0	1	2	3	4	5	6	7
Radiator flow %	0	100	100	100	100	100	100	100
Kv: m <sup>3</sup> /h/ΔP=1 bar Kv (t=2K)	0	0.28	0.61	0.83	0.97	1.06	1.11	1.15

Example: radiator 3 KW (Table ΔT=50)  
 ΔT = 10°C (75 - 65 = 10°C)  
 ΔP = 0.1 bar  
 Pre-setting = 3  
 Kv = 0.83 m<sup>3</sup>/h



### Technical data

Max. water temperature: 120°C  
 Max. pressure of the system: 10 bar  
 Max. pressure drop 0.6 bar complying to the noise standard ISO 3743

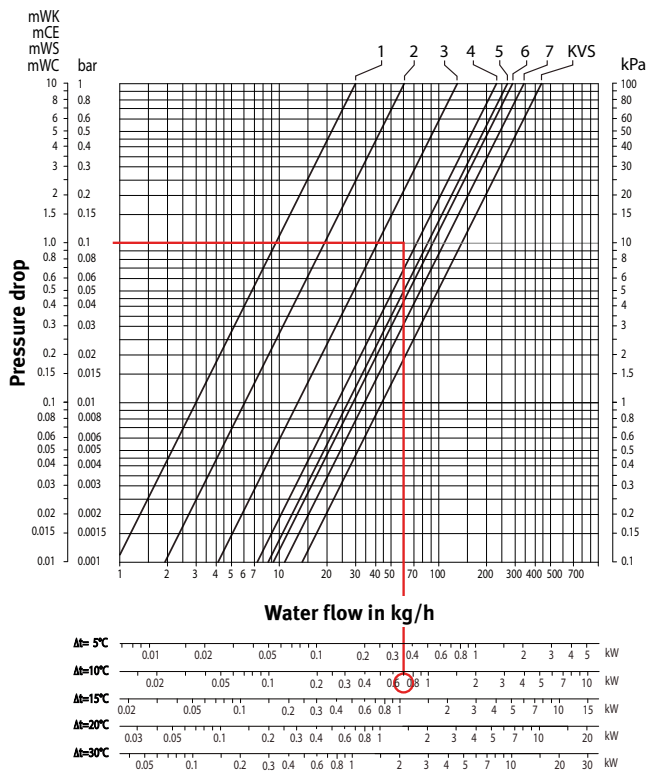
# PRESSURE DROP

## DANFOSS DECO DOUBLE ANGLED THERMOSTATIC VALVE



Pre-setting	1	2	3	4	5	6	7	N	NKVS
Radiator flow %	0	100	100	100	100	100	100	100	100
Kv: m <sup>3</sup> /h/ΔP=1 bar Kv (t=2K)	0.03	0.06	0.13	0.17	0.23	0.27	0.29	0.34	0.44

Example: radiator 0.7 KW (Table ΔT=50)  
 ΔT = 10°C (75 - 65 = 10°C)  
 ΔP = 0.1 bar (to be setted over the system)  
 Pre-setting = 4  
 Kv = 0.17 m<sup>3</sup>/h



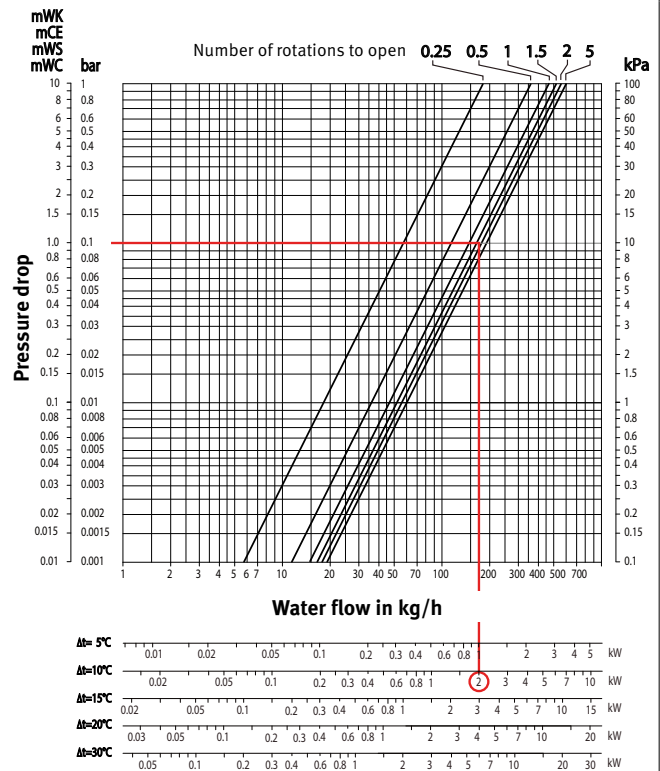
**Technical data**  
 Max. water temperature: 120°C  
 Max. pressure of the system: 10 bar  
 Max. pressure drop 0.6 bar complying to the noise standard ISO 3743

## DANFOSS DECO DOUBLE ANGLED LOCKSHIELD



Number of rotations	0.25	0.50	1	1.5	2	5	open
Radiator flow %	0	100	100	100	100	100	100
Kv: m <sup>3</sup> /h/ΔP=1 bar Kv (t=2K)	0.18	0.36	0.47	0.52	0.58	0.58	0.60

Example: radiator 2 KW (Table ΔT=50)  
 ΔT = 10°C (75 - 65 = 10°C)  
 ΔP = 0.1 bar (to be setted over the system)  
 Number of rotations = 2  
 Kv = 0.58 m<sup>3</sup>/h



**Technical data**  
 - Max. water flow temperature: 120°C  
 - Max. pressure of system: 10 bar





**jaga** CLIMATE DESIGNERS



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see [www.jaga.com](http://www.jaga.com)





# PARTS AND OPTIONS

# STRADA - CASING



## Standard delivery

- partially pre-assembled casing
- colour 133 or 001
- cover plate in stainless steel effect for the side panel at the opposite end from the valve
- delivered in a cardboard box, which can also be used as protection on site after installation

## ORDERING CODE

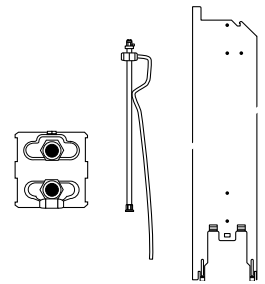
code height length type col.  
CSTW. HHH LLL TT. XXX

L	Type	H 020		H 035		H 050		H 065		H 095	
		st. colour	other	st. colour	other	st. colour	other	st. colour	other	st. colour	other
050	06	95	209	114	227	123	237	133	246	---	---
	10/11	104	217	121	234	133	246	145	258	---	---
	15/16	116	229	132	245	144	257	162	275	---	---
	20/21	125	238	142	255	159	272	172	285	---	---
060	06	104	217	122	236	133	246	144	257	170	283
	10/11	115	228	131	244	143	256	161	274	185	298
	15/16	122	236	141	254	158	271	172	285	202	315
	20/21	132	245	153	266	168	281	185	298	212	325
070	06	109	222	127	240	140	253	157	270	181	294
	10/11	121	234	139	252	157	270	170	283	199	312
	15/16	130	243	149	262	167	280	185	298	213	326
	20/21	144	257	165	278	184	297	203	316	229	342
080	06	115	228	136	249	148	261	165	278	194	307
	10/11	127	240	145	258	164	277	182	295	212	325
	15/16	140	253	163	276	181	294	202	315	232	345
	20/21	157	270	177	291	199	312	218	331	250	363
090	06	121	234	142	255	160	273	176	289	209	322
	10/11	132	245	158	271	172	285	192	305	225	338
	15/16	146	259	172	285	191	304	212	325	250	363
	20/21	163	276	187	300	209	322	227	340	265	378
100	06	125	304	146	326	164	343	181	360	222	402
	10/11	139	319	163	342	181	360	202	382	240	419
	15/16	157	336	181	360	202	382	222	402	265	444
	20/21	171	351	200	380	219	398	240	419	283	463
110	06	131	310	158	337	173	353	191	370	236	415
	10/11	145	325	171	351	191	370	212	391	256	436
	15/16	162	341	188	367	210	389	231	411	280	460
	20/21	182	361	210	389	231	411	254	434	302	481
120	06	142	322	168	348	187	366	210	389	254	434
	10/11	163	342	187	366	210	389	232	412	280	460
	15/16	182	361	209	388	229	409	256	436	305	485
	20/21	210	389	238	417	260	440	287	467	335	515
140	06	148	328	178	358	203	383	224	404	279	459
	10/11	171	351	202	382	224	404	251	431	304	483
	15/16	189	368	220	399	247	426	272	451	331	510
	20/21	218	397	249	428	274	453	303	482	358	537
160	06	177	357	210	389	238	417	264	443	---	---
	10/11	203	383	234	414	264	443	295	474	---	---
	15/16	225	405	259	439	289	469	322	501	---	---
	20/21	255	435	292	471	323	502	353	532	---	---
180	06	188	367	225	405	255	435	286	466	---	---
	10/11	219	398	255	435	287	467	321	500	---	---
	15/16	247	426	283	463	315	495	350	529	---	---
	20/21	276	455	313	493	349	528	383	562	---	---
200	06	211	524	252	565	283	597	316	630	---	---
	10/11	243	556	282	596	315	629	352	665	---	---
	15/16	273	586	315	629	351	664	390	703	---	---
	20/21	306	619	348	661	386	699	423	737	---	---
240	06	271	584	316	630	355	668	395	709	---	---
	10/11	307	620	352	665	393	707	437	750	---	---
	15/16	347	660	393	707	435	748	478	792	---	---
	20/21	387	700	434	747	476	790	521	834	---	---
280	06	304	617	354	667	399	713	446	759	---	---
	10/11	345	659	395	709	442	755	491	804	---	---
	15/16	390	703	441	754	491	804	540	853	---	---
	20/21	433	746	487	800	536	850	585	898	---	---

# HEAT EXCHANGER - STRADA

L	STANDARD					TWIN						
	Type	H 020	035	050	065	095	Type	H 020	035	050	065	095
050	---	---	---	---	---	---	06	146	208	210	213	---
	10	115	122	126	130	---	11	---	245	250	254	---
	15	144	153	160	164	---	16	---	298	302	308	---
	20	176	184	191	203	---	21	---	316	326	334	---
	---	---	---	---	---	---	06	159	220	223	225	227
060	---	---	---	---	---	---	11	---	258	264	269	272
	10	123	131	133	139	142	16	---	321	324	332	342
	15	160	165	170	177	186	21	---	345	352	363	374
	20	192	202	209	219	226	06	181	252	255	258	260
	---	---	---	---	---	---	11	---	298	302	306	310
070	---	---	---	---	---	---	16	---	374	378	386	394
	10	143	153	157	161	164	21	---	407	414	424	433
	15	187	193	201	206	215	06	192	267	270	273	276
	20	229	239	248	256	265	11	---	315	322	326	331
	---	---	---	---	---	---	16	---	398	406	413	423
080	---	---	---	---	---	---	21	---	439	447	457	466
	10	157	163	165	170	173	06	203	281	283	286	289
	15	204	210	215	222	229	11	---	332	335	342	345
	20	252	259	267	279	285	16	---	426	432	438	447
	---	---	---	---	---	---	21	---	469	475	486	494
090	---	---	---	---	---	---	06	223	306	308	312	315
	10	164	171	173	178	184	11	---	365	368	375	379
	15	217	223	228	236	247	16	---	471	474	481	492
	20	270	279	285	297	304	21	---	522	529	538	551
	---	---	---	---	---	---	06	234	323	326	330	332
100	---	---	---	---	---	---	11	---	383	387	392	395
	10	182	189	192	199	203	16	---	497	502	510	519
	15	242	249	254	259	269	21	---	556	561	572	582
	20	304	311	319	331	336	06	247	338	342	345	348
	---	---	---	---	---	---	11	---	399	407	411	414
110	---	---	---	---	---	---	16	---	526	529	537	549
	10	191	201	203	208	211	21	---	587	597	604	613
	15	258	264	270	276	286	06	271	377	382	386	391
	20	324	332	340	350	356	11	---	449	457	465	471
	---	---	---	---	---	---	16	---	596	601	612	626
120	---	---	---	---	---	---	21	---	716	727	741	755
	10	203	210	212	218	222	06	321	441	446	450	---
	15	272	280	285	292	301	11	---	527	534	540	---
	20	345	351	358	370	379	16	---	704	713	724	---
	---	---	---	---	---	---	21	---	847	860	875	---
140	---	---	---	---	---	---	06	344	474	478	482	---
	10	225	238	242	250	255	11	---	565	574	580	---
	15	306	316	327	335	349	16	---	764	771	782	---
	20	419	432	442	460	471	21	---	921	931	946	---
	---	---	---	---	---	---	06	368	507	511	515	---
160	---	---	---	---	---	---	11	---	605	612	619	---
	10	269	281	285	292	---	16	---	879	885	898	---
	15	369	379	389	396	---	21	---	992	1002	1016	---
	20	504	515	526	542	---	06	455	626	632	638	---
	---	---	---	---	---	---	11	---	750	760	770	---
180	---	---	---	---	---	---	16	---	1092	1100	1115	---
	10	289	302	306	312	---	21	---	1240	1256	1274	---
	15	402	412	421	430	---	06	511	701	708	714	---
	20	550	558	570	587	---	11	---	840	848	859	---
	---	---	---	---	---	---	16	---	1224	1233	1249	---
200	---	---	---	---	---	---	21	---	1398	1412	1432	---
	10	311	324	329	334	---	---	---	---	---	---	---
	15	466	474	486	494	---	---	---	---	---	---	---
	20	592	603	614	632	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
240	---	---	---	---	---	---	---	---	---	---	---	---
	10	390	406	412	421	---	---	---	---	---	---	---
	15	581	596	606	619	---	---	---	---	---	---	---
	20	744	759	775	796	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
280	---	---	---	---	---	---	---	---	---	---	---	---
	10	439	455	461	470	---	---	---	---	---	---	---
	15	654	667	680	693	---	---	---	---	---	---	---
	20	841	858	872	892	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---

## STANDARD



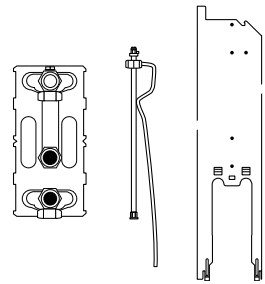
### Standard delivery

- Low-H<sub>2</sub>O heat exchanger
- wall brackets
- extended air vent
- fixing kit
- drain plug

### ORDERING CODE

code	height	length	type
HSTW.	HHH	LLL	TT

## TWIN



### Standard delivery

- Twin Low-H<sub>2</sub>O heat exchanger
- wall brackets
- extended air vent
- fixing kit
- drain plug

### ORDERING CODE

code	height	length	type
HSTW.	HHH	LLL	TT

# LINEA PLUS - CASING



## Standard delivery

- partially pre-assembled casing
- colour 133 or 001
- delivered in a cardboard box, which can also be used as protection on site after installation

## ORDERING CODE

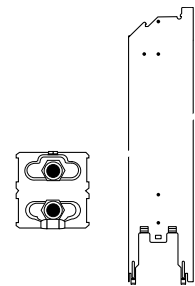
code	height	length	type	col.
CLIW.	HHH	LLL	TT.	XXX

L	Type	H 020		H 035		H 050		H 065		H 095	
		st. colour	other	st. colour	other	st. colour	other	st. colour	other	st. colour	other
050	10/11	75	188	86	199	98	211	112	225	---	---
	15/16	79	192	91	204	106	219	121	234	---	---
	20/21	85	198	99	212	115	228	129	242	---	---
060	10/11	79	192	93	206	106	219	121	234	144	257
	15/16	83	196	98	211	114	227	129	242	159	272
	20/21	89	202	106	219	122	236	138	251	165	278
070	10/11	83	196	98	211	114	227	129	242	157	270
	15/16	86	199	102	215	120	233	138	251	167	280
	20/21	95	209	114	227	130	243	146	259	177	291
080	10/11	88	201	104	217	121	234	139	252	169	282
	15/16	94	208	112	225	130	243	148	261	182	295
	20/21	101	214	121	234	140	253	161	274	192	305
090	10/11	93	206	114	227	130	243	146	259	181	294
	15/16	99	212	121	234	139	252	160	273	194	307
	20/21	108	221	130	243	148	261	169	282	205	319
100	10/11	96	276	117	297	136	315	156	335	193	372
	15/16	104	283	125	304	143	323	165	344	209	388
	20/21	115	295	137	316	158	337	177	357	220	399
110	10/11	100	279	123	303	142	322	163	342	208	387
	15/16	109	288	131	310	153	332	173	353	222	402
	20/21	118	298	142	322	165	344	186	365	232	412
120	10/11	106	285	129	308	148	328	172	352	219	398
	15/16	116	296	138	317	161	340	185	364	232	412
	20/21	126	305	148	328	172	352	200	380	248	427
140	10/11	116	296	141	321	165	344	189	368	247	426
	15/16	125	304	149	329	177	357	204	384	260	440
	20/21	138	317	165	344	191	370	218	397	273	452
160	10/11	139	319	168	348	199	379	225	405	---	---
	15/16	146	326	178	358	209	388	240	419	---	---
	20/21	163	342	193	372	225	405	256	436	---	---
180	10/11	153	332	186	365	218	397	250	430	---	---
	15/16	165	344	200	380	229	409	265	444	---	---
	20/21	178	358	213	392	249	428	282	462	---	---
200	10/11	169	482	206	520	240	553	273	586	---	---
	15/16	182	495	219	532	254	568	292	605	---	---
	20/21	200	514	236	549	272	585	308	621	---	---
220	10/11	202	516	240	553	279	592	315	629	---	---
	15/16	215	528	254	568	295	608	334	647	---	---
	20/21	229	543	272	585	311	625	352	665	---	---
240	10/11	215	528	256	570	298	611	338	652	---	---
	15/16	229	543	272	585	313	627	356	669	---	---
	20/21	249	562	293	606	334	647	379	692	---	---
260	10/11	227	541	272	585	316	630	363	676	---	---
	15/16	245	558	289	603	334	647	380	693	---	---
	20/21	264	577	310	624	356	669	404	717	---	---
280	10/11	240	553	288	602	334	647	382	695	---	---
	15/16	256	570	306	619	353	666	404	717	---	---
	20/21	279	592	329	642	377	690	426	740	---	---

# HEAT EXCHANGER - LINEA PLUS

L	STANDARD						TWIN					
	Type	H 020	035	050	065	095	Type	H 020	035	050	065	095
050	10	117	123	129	132	---	11	---	242	247	250	---
	15	146	157	161	167	---	16	---	295	298	305	---
	20	177	186	192	203	---	21	---	311	319	329	---
060	10	126	132	137	140	144	11	---	255	259	264	269
	15	161	168	172	178	187	16	---	315	322	329	335
	20	194	204	211	219	226	21	---	340	348	354	365
070	10	145	156	159	163	167	11	---	295	298	302	306
	15	188	199	203	208	217	16	---	368	374	380	390
	20	232	242	250	256	265	21	---	399	409	417	425
080	10	159	164	168	172	177	11	---	312	316	322	326
	15	205	212	218	223	231	16	---	396	399	409	417
	20	253	262	269	279	286	21	---	433	440	448	458
090	10	165	172	177	181	185	11	---	329	332	336	342
	15	219	225	231	238	247	16	---	423	427	434	441
	20	271	281	287	297	304	21	---	464	470	478	487
100	10	184	191	194	201	204	11	---	359	365	369	375
	15	245	251	255	262	270	16	---	467	471	478	487
	20	305	313	322	330	338	21	---	517	523	533	541
110	10	193	202	205	210	213	11	---	379	383	387	392
	15	259	267	272	279	287	16	---	494	497	506	514
	20	327	334	342	350	356	21	---	551	557	564	575
120	10	210	220	225	231	239	11	---	410	416	421	428
	15	281	292	301	307	322	16	---	535	541	553	564
	20	352	366	377	390	399	21	---	598	606	619	632
140	10	227	240	247	252	258	11	---	444	450	457	465
	15	310	322	330	338	350	16	---	588	597	605	619
	20	423	435	446	460	472	21	---	708	718	731	744
160	10	271	282	288	296	---	11	---	521	527	534	---
	15	374	383	392	398	---	16	---	700	704	716	---
	20	507	519	529	542	---	21	---	840	853	863	---
180	10	295	304	310	316	---	11	---	560	568	574	---
	15	407	416	425	433	---	16	---	759	766	776	---
	20	552	562	575	587	---	21	---	910	923	934	---
200	10	315	327	332	338	---	11	---	601	606	612	---
	15	470	478	488	495	---	16	---	873	881	889	---
	20	597	606	619	631	---	21	---	981	994	1005	---
220	10	366	377	383	390	---	11	---	689	696	702	---
	15	543	554	561	570	---	16	---	1008	1013	1024	---
	20	693	704	716	728	---	21	---	1138	1147	1161	---
240	10	394	409	417	425	---	11	---	745	752	762	---
	15	585	600	611	621	---	16	---	1087	1094	1106	---
	20	747	764	778	796	---	21	---	1230	1242	1262	---
260	10	419	434	441	450	---	11	---	791	798	806	---
	15	623	637	649	660	---	16	---	1152	1160	1174	---
	20	797	814	829	845	---	21	---	1309	1322	1341	---
280	10	442	458	466	474	---	11	---	833	841	848	---
	15	660	672	684	695	---	16	---	1217	1224	1238	---
	20	845	862	878	892	---	21	---	1385	1401	1416	---

## STANDARD



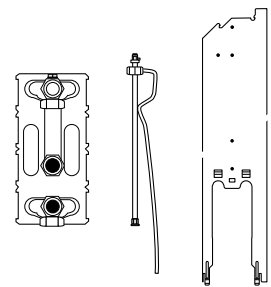
### Standard delivery

- Low-H<sub>2</sub>O heat exchanger
- wall brackets
- angled air vent
- fixing kit
- drain plug

### ORDERING CODE

code height length type  
HLIW. HHH LLL TT

## TWIN



### standard delivery

- Twin Low-H<sub>2</sub>O heat exchanger
- wall brackets
- extended air vent
- fixing kit
- drain plug

### ORDERING CODE

code height length type  
HLIW. HHH LLL TT

# TEMPO - CASING



## Standard delivery

- kit existing of:
  - grille
  - front panel
  - open side panel for valve connection
  - closed side panel
- colour 101
- compact packaging with cardboard corners and shrink wrapping

## ORDERING CODE

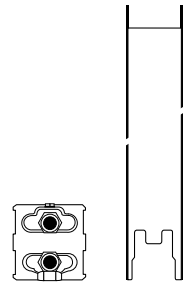
code	height	length	type	col.
CTEW.	HHH	LLL	TT.	101

		H 020	H 030	H 040	H 050	H 060	H 070	H 090
L	Type							
040	10/11	57	68	78	89	99	111	131
	15/16	62	75	85	98	109	120	142
	20/21	70	82	93	108	121	130	158
050	10/11	61	74	83	95	106	117	140
	15/16	67	79	90	104	116	127	149
	20/21	75	86	99	114	127	138	165
060	10/11	66	78	89	102	116	129	156
	15/16	74	85	98	115	126	138	165
	20/21	79	93	108	122	138	148	181
070	10/11	74	85	99	115	127	141	170
	15/16	80	94	109	126	140	156	184
	20/21	88	102	120	137	153	165	201
080	10/11	76	89	102	120	133	146	178
	15/16	84	98	115	131	145	161	191
	20/21	91	109	125	141	160	173	209
090	10/11	82	95	112	130	143	162	192
	15/16	89	106	122	141	159	172	208
	20/21	99	117	133	156	171	187	224
100	10/11	86	102	121	139	158	173	209
	15/16	95	114	131	153	169	186	224
	20/21	106	126	143	165	185	203	243
110	10/11	91	111	129	146	168	186	224
	15/16	101	122	141	164	182	202	242
	20/21	114	133	156	176	199	215	258
120	10/11	94	114	132	156	171	191	229
	15/16	106	126	144	169	188	208	250
	20/21	118	139	161	182	205	224	267
140	10/11	108	130	153	177	202	223	270
	15/16	121	142	168	193	217	240	288
	20/21	132	159	182	209	232	256	307
160	10/11	120	143	169	194	220	247	297
	15/16	136	161	186	215	240	265	316
	20/21	149	178	205	231	260	286	342
180	10/11	129	158	184	213	240	269	326
	15/16	144	173	204	232	262	289	348
	20/21	163	191	222	253	283	310	374
200	10/11	142	172	205	238	269	301	364
	15/16	162	192	225	259	292	323	389
	20/21	179	212	247	281	313	347	414
220	10/11	159	189	223	258	292	326	392
	15/16	178	212	248	283	316	350	419
	20/21	201	234	270	306	343	377	448
240	10/11	168	204	240	279	312	350	425
	15/16	191	227	265	304	342	378	451
	20/21	212	252	288	330	367	404	481
260	10/11	178	215	254	295	332	370	448
	15/16	204	242	281	323	363	398	478
	20/21	226	267	306	349	390	428	511
280	10/11	199	238	280	323	365	407	492
	15/16	223	265	307	353	395	438	522
	20/21	249	292	334	380	425	467	556
300	10/11	205	250	293	338	382	426	514
	15/16	232	279	323	369	414	458	550
	20/21	258	304	350	396	444	488	582

# HEAT EXCHANGER - TEMPO

L	STANDARD								TWIN						
	Type	H 020	030	040	050	060	070	090	Type	H 030	040	050	060	070	090
040	10	101	104	106	106	112	114	117	11	212	213	215	220	222	225
	15	127	129	133	137	138	140	144	16	255	260	264	265	267	272
	20	156	157	160	163	164	168	176	21	269	272	279	280	283	289
050	10	114	115	116	117	121	122	127	11	229	231	232	238	240	245
	15	141	143	146	149	153	157	161	16	282	287	289	292	295	300
	20	171	172	177	182	182	187	193	21	300	304	307	308	312	322
060	10	121	122	125	126	130	131	136	11	247	248	250	253	254	258
	15	157	158	161	164	165	168	172	16	304	308	311	312	315	322
	20	189	191	194	201	202	205	212	21	329	332	335	336	342	349
070	10	141	143	144	145	149	153	158	11	285	285	287	292	293	297
	15	184	185	188	191	193	199	203	16	356	363	365	366	368	376
	20	227	227	232	238	239	243	251	21	389	392	396	397	402	410
080	10	153	157	158	159	162	163	167	11	303	304	305	308	311	315
	15	201	202	205	208	210	212	218	16	386	390	392	393	396	402
	20	249	250	253	258	258	264	270	21	421	425	428	432	435	441
090	10	162	163	164	165	169	171	176	11	319	321	322	326	327	332
	15	213	215	219	222	223	225	231	16	412	416	418	419	423	428
	20	266	267	271	276	279	282	288	21	449	453	460	461	465	471
100	10	179	181	182	184	187	189	193	11	351	352	353	356	358	365
	15	239	240	245	248	249	251	255	16	455	461	464	465	467	472
	20	301	302	305	308	310	315	323	21	506	509	513	514	519	526
110	10	189	191	192	193	200	201	204	11	368	369	374	377	378	382
	15	254	255	259	262	264	267	272	16	481	488	491	492	494	498
	20	322	322	327	331	332	335	343	21	537	541	544	549	553	558
120	10	202	203	204	205	209	210	213	11	389	390	391	394	395	399
	15	269	270	273	279	280	282	287	16	511	515	518	519	521	527
	20	342	343	347	350	351	355	364	21	569	575	578	580	583	590
140	10	223	224	226	227	234	238	245	11	430	432	434	440	441	448
	15	303	304	310	313	316	322	330	16	572	578	582	583	588	598
	20	414	417	423	428	432	438	448	21	688	695	701	703	712	719
160	10	265	267	270	271	279	281	286	11	507	509	511	517	519	526
	15	365	366	374	377	379	383	392	16	683	689	694	695	700	708
	20	497	498	507	513	515	520	532	21	822	829	835	837	842	854
180	10	287	289	292	295	301	302	307	11	549	550	552	557	558	564
	15	396	398	407	411	412	416	425	16	742	748	752	755	759	767
	20	542	543	552	557	558	564	576	21	891	901	906	908	914	924
200	10	308	311	312	315	322	324	331	11	585	587	590	598	599	604
	15	461	464	470	473	474	478	488	16	857	862	866	868	873	882
	20	585	588	597	602	603	609	620	21	964	970	974	979	985	995
220	10	358	363	364	366	370	375	380	11	675	679	680	685	688	695
	15	535	537	543	550	551	554	561	16	989	998	1002	1003	1008	1016
	20	684	685	693	698	700	707	717	21	1119	1126	1132	1135	1140	1151
240	10	386	390	392	394	402	406	414	11	725	727	729	739	742	749
	15	575	577	585	591	596	600	611	16	1062	1072	1076	1078	1087	1096
	20	737	740	747	756	759	767	781	21	1206	1214	1221	1224	1234	1248
260	10	412	414	417	419	427	432	439	11	771	773	776	783	787	796
	15	612	614	623	628	632	637	649	16	1129	1138	1143	1145	1152	1162
	20	786	789	797	805	807	818	830	21	1282	1291	1301	1303	1312	1325
280	10	435	438	440	442	451	455	464	11	814	815	820	828	830	839
	15	647	651	660	665	667	672	684	16	1193	1202	1210	1212	1217	1227
	20	836	837	845	854	858	865	881	21	1360	1368	1378	1381	1391	1402
300	10	460	462	466	469	475	478	487	11	858	859	862	870	873	883
	15	683	685	695	700	702	708	719	16	1257	1267	1272	1274	1279	1291
	20	883	885	891	903	905	913	926	21	1438	1445	1454	1458	1466	1481

## STANDARD



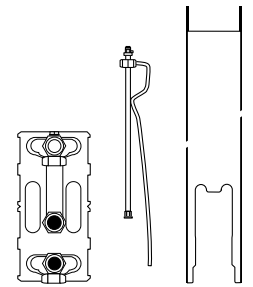
### Standard delivery

- Low-H<sub>2</sub>O heat exchanger
- wall brackets
- angled air vent
- fixing kit
- drain plug

### ORDERING CODE

code height length type  
HTEW. HHH LLL TT

## TWIN



### Standard delivery

- Twin Low-H<sub>2</sub>O heat exchanger
- wall brackets
- extended air vent
- fixing kit
- drain plug

### ORDERING CODE

code height length type  
HTEW. HHH LLL TT

# KNOCKONWOOD - CASING



		H 055
L	Type	
060	10/11	714
	15/16	737
080	10/11	781
	15/16	807
100	10/11	909
	15/16	946
120	10/11	1079
	15/16	1119
140	10/11	1204
	15/16	1244

## Standard delivery

- casing in one piece with wooden cover in plywood with high-grade veneer and metal side panels in sandblast grey (001)
- cover plate in stainless steel effect for the side panel at the opposite end from the valve
- delivered in a cardboard box, which can also be used as protection on site after installation

## ORDERING CODE

*code height length type wood*  
CKNW. HHH LLL TT. XXX

## WOOD FINISHES

The wooden casing is finished with a scratch-resistant polyurethane varnish, satin matte, gloss degree 40%. High UV resistance.

### Available from stock

Height 055 and length 060 up to 140



700 Oak natural



740 Zebrano natural

## AVAILABLE ON REQUEST

### Other wood finishes:



760 Maple natural



720 Beech natural



701 Oak bleached



721 Beech bleached



710 Mahogany



702 Oak wenge-coloured



780 Walnut

### Other dimensions:



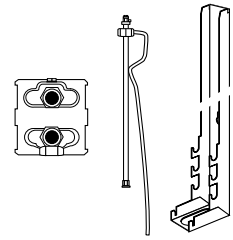
Height 030 and 090 cm, Length 180 and 220 cm not available per piece! Contact Jaga for your personalized offer.



# HEAT EXCHANGER - KNOCKONWOOD

L	STANDARD				TWIN			
	Type	H 030	055	080	Type	H 030	055	080
060	10	156	169	181	11	265	287	300
	15	188	204	219	16	326	347	363
080	10	185	202	212	11	323	344	355
	15	231	249	264	16	406	426	441
100	10	211	227	240	11	369	392	404
	15	271	286	302	16	475	496	513
120	10	231	250	259	11	407	428	440
	15	303	316	333	16	532	553	568
140	10	266	289	---	11	457	487	---
	15	348	369	---	16	601	628	---

## STANDARD



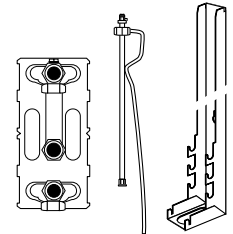
### Standard delivery

- Low-H<sub>2</sub>O heat exchanger
- wall brackets
- extended air vent
- fixing kit
- drain plug

### ORDERING CODE

code	height	length	type
HKNW.	HHH	LLL	TT

## TWIN



### Standard delivery

- Twin Low-H<sub>2</sub>O heat exchanger
- wall brackets
- extended air vent
- fixing kit
- drain plug

### ORDERING CODE

code	height	length	type
HKNW.	HHH	LLL	TT

# MINI-CASING



## Standard delivery

- casing in one piece
- colour 133 or 001
- delivered in cardboard packaging

## ORDERING CODE

code height length type colour  
 CMIN. HHH LLL TT. XXX

L	H 008			H 013			H 023			H 028		
	Type	st. colour	other	Type	st. colour	other	Type	st. colour	other	Type	st. colour	other
060	---	---	---	05	129	242	06	165	278	06	209	322
	09	123	237	10	139	252	11	176	289	11	222	335
	14	141	254	15	160	273	16	200	313	16	248	361
	19	148	261	20	167	280	21	206	320	21	255	368
070	---	---	---	05	131	244	06	168	281	06	211	324
	09	127	240	10	141	254	11	178	292	11	224	337
	14	144	257	15	163	276	16	202	315	16	251	364
	19	153	266	20	169	282	21	210	323	21	258	371
080	---	---	---	05	133	246	06	171	284	06	213	326
	09	130	243	10	143	256	11	182	295	11	226	339
	14	146	259	15	165	278	16	205	319	16	254	367
	19	157	270	20	171	284	21	212	325	21	264	377
090	---	---	---	05	137	250	06	173	286	06	218	331
	09	132	245	10	145	258	11	185	298	11	229	342
	14	149	262	15	168	281	16	208	321	16	255	368
	19	160	273	20	176	289	21	215	328	21	266	379
100	---	---	---	05	139	319	06	177	357	06	222	402
	09	136	315	10	148	328	11	187	366	11	232	412
	14	156	335	15	170	350	16	210	389	16	260	440
	19	161	340	20	178	358	21	218	397	21	269	448
110	---	---	---	05	144	324	06	185	364	06	229	409
	09	140	320	10	158	337	11	199	379	11	247	426
	14	161	340	15	177	357	16	220	399	16	271	450
	19	168	348	20	186	365	21	227	407	21	283	463
120	---	---	---	05	157	336	06	194	374	06	243	422
	09	148	328	10	167	347	11	208	387	11	255	435
	14	169	349	15	187	366	16	229	409	16	285	465
	19	178	358	20	200	380	21	240	419	21	296	475
140	---	---	---	05	169	349	06	217	396	06	267	446
	09	164	343	10	182	361	11	228	408	11	283	463
	14	185	364	15	205	385	16	254	434	16	311	491
	19	193	372	20	217	396	21	265	444	21	326	505
160	---	---	---	05	210	389	06	265	444	06	326	505
	09	203	383	10	224	404	11	281	461	11	344	524
	14	224	404	15	250	430	16	306	486	16	376	555
	19	234	414	20	260	440	21	319	498	21	390	570
180	---	---	---	05	232	412	06	297	476	06	363	543
	09	225	405	10	251	431	11	311	491	11	382	561
	14	248	427	15	273	452	16	340	520	16	413	592
	19	260	440	20	289	469	21	354	533	21	432	611
200	---	---	---	05	260	574	06	330	643	06	399	713
	09	251	564	10	280	593	11	348	661	11	423	737
	14	273	586	15	304	617	16	376	689	16	455	769
	19	288	602	20	322	635	21	391	704	21	473	786
220	---	---	---	05	321	634	06	394	708	06	478	792
	09	304	617	10	338	652	11	414	727	11	500	813
	14	330	643	15	366	680	16	442	755	16	536	850
	19	345	659	20	385	698	21	462	775	21	557	870
240	---	---	---	05	344	658	06	425	739	06	514	827
	09	329	642	10	365	679	11	444	757	11	537	851
	14	353	666	15	393	707	16	475	789	16	575	888
	19	370	684	20	413	726	21	495	808	21	598	911
260	---	---	---	05	365	679	06	450	764	06	544	857
	09	348	661	10	387	700	11	473	786	11	570	883
	14	376	689	15	417	730	16	507	821	16	609	922
	19	394	708	20	438	751	21	527	840	21	633	946

# HEAT EXCHANGER - MINI

L	H 008		H 013		H 023 / 028	
	Type	€	Type	€	Type	€
060	---	---	05	86	06	202
	09	86	10	116	11	232
	14	112	15	146	16	292
	19	137	20	181	21	311
070	---	---	05	101	06	232
	09	101	10	137	11	271
	14	132	15	177	16	344
	19	164	20	219	21	374
080	---	---	05	111	06	250
	09	111	10	145	11	289
	14	143	15	192	16	370
	19	179	20	240	21	406
090	---	---	05	117	06	262
	09	117	10	158	11	305
	14	157	15	206	16	396
	19	193	20	258	21	435
100	---	---	05	130	06	288
	09	130	10	173	11	338
	14	172	15	229	16	441
	19	219	20	292	21	490
110	---	---	05	138	06	304
	09	138	10	184	11	355
	14	185	15	248	16	469
	19	232	20	311	21	521
120	---	---	05	144	06	321
	09	144	10	193	11	376
	14	199	15	262	16	496
	19	250	20	332	21	555
140	---	---	05	161	06	349
	09	161	10	213	11	411
	14	219	15	292	16	552
	19	302	20	399	21	666
160	---	---	05	192	06	414
	09	192	10	256	11	488
	14	265	15	353	16	661
	19	365	20	486	21	798
180	---	---	05	210	06	447
	09	210	10	280	11	527
	14	289	15	387	16	722
	19	396	20	529	21	868
200	---	---	05	225	06	478
	09	225	10	301	11	565
	14	336	15	449	16	836
	19	430	20	575	21	940
220	---	---	05	264	06	555
	09	264	10	350	11	656
	14	393	15	523	16	969
	19	504	20	671	21	1096
240	---	---	05	281	06	590
	09	281	10	376	11	698
	14	419	15	559	16	1032
	19	540	20	719	21	1173
260	---	---	05	301	06	628
	09	301	10	398	11	745
	14	448	15	599	16	1100
	19	577	20	768	21	1253

## OPPOSITE END CONNECTIONS

### Mini height 008



### Standard delivery

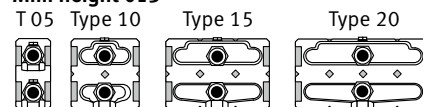
- Low-H<sub>2</sub>O heat exchanger type 09, 14 or 19
- air vent
- drain plug

### ORDERING CODE

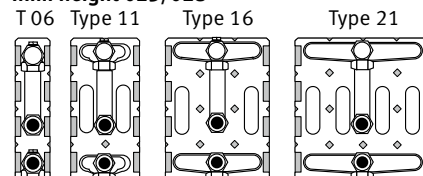
code length type  
5004. 000 LLLL TT. /BS9

## SAME END CONNECTION

### Mini height 013



### Mini height 023/028



### Standard delivery

- Low-H<sub>2</sub>O heat exchanger
- air vent
- drain plug

### ORDERING CODE

code length type  
5003. 000 LLL TT. /BS9

# WALL BRACKET - MINI

Type	st. colour	other
05/06	23	26
09/10/11	23	26
14/15/16	23	26
19/20/21	23	26

Type 05/06



Type 09/10/11



Type 14/15/16



Type 19/20/21



## WALL BRACKET

### ORDERING CODE

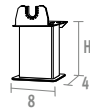
code                      type colour  
5205. 000 000 TT. XXX /W

Number of wall fixings for casing length:  
from 060 to 160 cm: min. 2 brackets  
from 180 to 300 cm: min. 3 brackets

# FEET - MINI

Foot	H	Type	st. colour	other
FS	6.5	05/06	23	26
	6.5	09/10/11	23	26
	6.5	14/15/16	23	26
	6.5	19/20/21	23	26
FM	10	05/06	23	26
	10	09/10/11	23	26
	10	14/15/16	23	26
	10	19/20/21	23	26
FL	12	05/06	23	26
	12	09/10/11	23	26
	12	14/15/16	23	26
	12	19/20/21	23	26

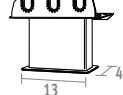
Type 05/06



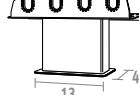
Type 09/10/11



Type 14/15/16



Type 19/20/21



## FIXED FEET

### ORDERING CODE

code                      type colour foot  
5205. 000 000 TT. XXX /FS

height 6.5 cm: **FS**  
height 10 cm: **FM**  
height 12 cm: **FL**

**For mounting on finished floor**

Number of feet for casing length:  
from L 060 to 160 cm: 2 feet  
from L 180 to 300 cm: 3 feet

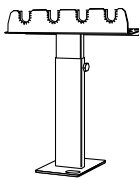
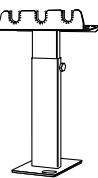
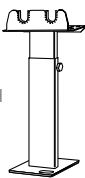
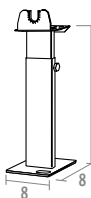
Foot	H	Type	st. colour	other
AS	13.5 > 21	05/06	64	74
	13.5 > 21	09/10/11	64	74
	13.5 > 21	14/15/16	64	74
	13.5 > 21	19/20/21	64	74
AL	21.5 > 34	05/06	64	74
	21.5 > 34	09/10/11	64	74
	21.5 > 34	14/15/16	64	74
	21.5 > 34	19/20/21	64	74

Type 05/06

Type 09/10/11

Type 14/15/16

Type 19/20/21



## ADJUSTABLE FEET

### ORDERING CODE

code                      type colour foot  
5205. 000 000 TT. XXX /AS

height adjustable from 13.5 to 21 cm: **AS**  
height adjustable from 21.5 to 34 cm: **AL**

**For mounting on concrete floor ore for use with raised computer floors**

Number of feet for casing length:  
from L 060 to 160 cm: 2 feet  
from L 180 to 300 cm: 3 feet

# LINEA PLUS FREESTANDING

## CASING



### Standard delivery

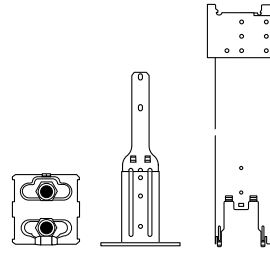
- partially pre-mounted casing for connection left or right at low level
- colour 133 or 001
- standard adjustable feet in neutral grey
- delivered in a cardboard box, which can also be used as protection on site after installation

### ORDERING CODE

code height length type col.  
CLIF. HHH LLL TT. XXX

## HEAT EXCHANGER

### STANDARD



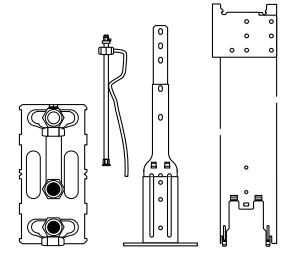
### Standard delivery

- heat exchanger
- brackets
- standard feet in neutral grey
- angled air vent
- drain plug

### ORDERING CODE

code height length type  
HLIF. HHH LLL TT

### TWIN



### Standard delivery

- Twin Low-H<sub>2</sub>O heat exchanger
- brackets
- standard feet in neutral grey
- extended air vent
- drain plug

### ORDERING CODE

code height length type  
HLIF. HHH LLL TT

L	Type	H 020		H 035	
		st. colour	other	st. colour	other
050	10/11	114	227	133	246
	15/16	130	243	157	270
060	10/11	120	233	144	257
	15/16	138	251	165	278
070	10/11	126	239	156	269
	15/16	143	256	173	286
080	10/11	137	250	167	280
	15/16	158	271	187	300
090	10/11	144	257	181	294
	15/16	165	278	204	317
100	10/11	149	329	187	366
	15/16	170	350	210	389
110	10/11	158	337	199	379
	15/16	177	357	220	399
120	10/11	167	347	208	387
	15/16	187	366	229	409
140	10/11	182	361	228	408
	15/16	205	385	254	434
160	10/11	224	404	281	461
	15/16	250	430	306	486
180	10/11	251	431	311	491
	15/16	273	452	340	520
200	10/11	280	593	348	661
	15/16	304	617	376	689
220	10/11	338	652	414	727
	15/16	366	680	442	755
240	10/11	365	679	444	757
	15/16	392	706	475	789
260	10/11	387	700	473	786
	15/16	417	730	506	820
280	10/11	409	722	500	813
	15/16	439	752	534	848

L	Type	STANDARD		TWIN	
		H 020	035	Type	035
050	10	162	169	11	286
	15	192	201	16	340
060	10	170	177	11	301
	15	206	212	16	363
070	10	191	200	11	338
	15	234	242	16	414
080	10	203	210	11	356
	15	251	256	16	441
090	10	211	218	11	374
	15	264	271	16	469
100	10	227	236	11	407
	15	288	296	16	513
110	10	239	247	11	424
	15	305	311	16	538
120	10	276	287	11	475
	15	349	358	16	603
140	10	297	306	11	513
	15	379	390	16	656
160	10	340	350	11	588
	15	440	450	16	767
180	10	363	374	11	628
	15	473	482	16	828
200	10	383	393	11	667
	15	536	549	16	941
220	10	433	442	11	758
	15	611	621	16	1075
240	10	482	497	11	836
	15	676	689	16	1174
260	10	510	523	11	882
	15	714	727	16	1241
280	10	534	550	11	923
	15	748	763	16	1306

# TEMPO FREESTANDING - CASING



## standard delivery

- kit existing of:
  - grille
  - 2 front panels
  - open side panel for valve connection
  - closed side panel
- colour 101
- compact packaging with cardboard corners and shrink wrapping

## ORDERING CODE

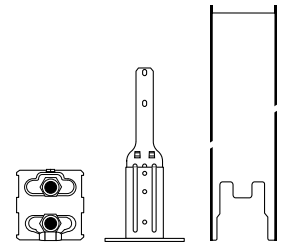
code	height	length	type	col.
CTEF.	HHH	LLL	TT.	101

		H 020	H 030	H 040	H 050
L	Type				
040	10/11	75	91	109	129
	15/16	80	98	117	137
	20/21	88	104	125	144
050	10/11	79	98	117	138
	15/16	85	104	125	144
	20/21	93	112	132	157
060	10/11	85	108	129	153
	15/16	93	116	138	163
	20/21	100	122	145	171
070	10/11	95	121	143	170
	15/16	102	129	156	181
	20/21	114	137	164	191
080	10/11	99	126	149	179
	15/16	109	136	162	189
	20/21	118	143	172	203
090	10/11	109	137	165	194
	15/16	118	144	176	208
	20/21	129	158	187	220
100	10/11	117	146	179	213
	15/16	127	160	189	225
	20/21	138	169	204	239
110	10/11	125	160	192	229
	15/16	137	171	208	245
	20/21	145	182	219	256
120	10/11	129	164	201	238
	15/16	141	177	213	252
	20/21	156	188	226	266
140	10/11	148	192	234	281
	15/16	163	206	250	296
	20/21	176	219	265	310
160	10/11	165	212	259	307
	15/16	181	227	276	327
	20/21	200	247	296	347
180	10/11	179	232	285	340
	15/16	200	251	304	358
	20/21	215	267	323	379
200	10/11	202	260	321	382
	15/16	220	281	342	404
	20/21	240	300	363	425
220	10/11	220	283	348	413
	15/16	243	305	370	438
	20/21	264	329	394	462
240	10/11	236	306	376	447
	15/16	260	331	399	473
	20/21	283	352	425	497
260	10/11	251	324	396	473
	15/16	276	350	425	502
	20/21	301	376	450	528
280	10/11	276	355	438	520
	15/16	304	385	466	551
	20/21	330	410	493	577
300	10/11	288	375	458	544
	15/16	316	402	488	577
	20/21	344	428	517	604

# HEAT EXCHANGER - TEMPO FREESTANDING

L	STANDARD				TWIN				
	Type	H 020	030	040	050	Type	030	040	050
040	10	146	148	149	153	11	258	259	260
	15	172	173	178	181	16	302	305	307
	20	200	201	204	209	21	313	319	323
050	10	159	160	161	162	11	276	279	280
	15	187	188	192	194	16	329	332	334
	20	218	218	223	226	21	345	349	352
060	10	167	168	169	170	11	292	293	295
	15	202	203	206	209	16	350	353	355
	20	234	236	240	247	21	374	377	380
070	10	187	188	189	191	11	330	331	332
	15	227	229	234	238	16	402	407	411
	20	272	273	279	282	21	434	438	441
080	10	200	201	202	203	11	349	349	351
	15	247	247	251	253	16	430	435	438
	20	295	295	300	303	21	466	470	474
090	10	208	209	210	211	11	364	365	366
	15	258	259	264	267	16	457	461	464
	20	311	311	316	322	21	495	498	504
100	10	225	226	227	227	11	395	396	397
	15	283	285	288	292	16	500	506	508
	20	345	347	350	354	21	551	554	558
110	10	234	236	238	239	11	414	416	417
	15	300	301	305	307	16	528	533	535
	20	366	367	370	376	21	582	585	590
120	10	247	248	249	250	11	433	434	435
	15	313	315	321	323	16	556	559	561
	20	386	387	391	395	21	614	619	623
140	10	289	293	296	297	11	497	498	502
	15	369	374	379	383	16	638	646	651
	20	481	482	491	496	21	756	763	768
160	10	333	335	336	340	11	575	577	578
	15	432	434	440	444	16	749	756	760
	20	564	568	575	581	21	888	893	903
180	10	354	355	358	363	11	613	616	618
	15	466	467	473	476	16	810	818	821
	20	609	612	618	625	21	962	966	972
200	10	377	379	382	383	11	653	655	656
	15	528	532	536	540	16	924	931	934
	20	654	655	662	668	21	1031	1035	1045
220	10	426	428	432	433	11	744	745	747
	15	603	604	611	614	16	1057	1064	1068
	20	750	754	759	766	21	1187	1192	1198
240	10	475	478	481	482	11	815	819	821
	15	665	667	676	682	16	1152	1161	1168
	20	825	830	838	846	21	1297	1303	1312
260	10	500	506	508	510	11	861	862	866
	15	702	704	714	718	16	1219	1228	1234
	20	877	879	887	893	21	1374	1382	1391
280	10	526	528	532	534	11	904	906	908
	15	739	741	748	754	16	1282	1292	1299
	20	924	926	934	945	21	1449	1460	1469
300	10	551	553	555	557	11	947	949	951
	15	774	776	783	791	16	1347	1355	1360
	20	972	974	984	993	21	1527	1537	1543

## STANDARD



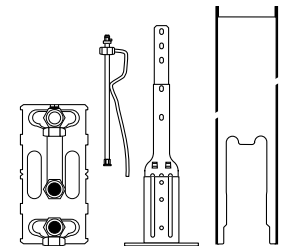
### Standard delivery

- heat exchanger
- brackets
- standard feet in neutral grey
- angled air vent
- drain plug

### ORDERING CODE

code	height	length	type
HTEF.	HHH	LLL	TT

## TWIN



### Standard delivery

- Twin Low-H<sub>2</sub>O heat exchanger
- brackets
- standard feet in neutral grey
- extended air vent
- drain plug

### ORDERING CODE

code	height	length	type
HTEF.	HHH	LLL	TT

# MINI CANAL - COMPLETE UNIT WITHOUT GRILLE



## Standard delivery

- Pre-assembled, dark grey lacquered Mini Canal with:
- Low-H<sub>2</sub>O heat exchanger
  - fixing straps
  - air vent(s) 1/8" and drain plug(s) 1/2"
  - anodised frame or cover frame

Grille dimensions = duct Dimensions - 1.2 cm

L	B	H 009	H 011	H 014	H 019
110	14	404	410	446	---
	18	411	416	---	---
	26	446	453	510	533
	34	504	513	583	605
	42	561	574	660	683
130	14	458	465	506	---
	18	466	472	---	---
	26	506	514	577	604
	34	572	583	663	692
	42	641	652	752	781
150	14	492	497	542	---
	18	500	509	---	---
	26	542	555	624	655
	34	621	633	724	755
	42	725	737	858	889
170	14	568	576	626	---
	18	580	585	---	---
	26	626	639	722	758
	34	723	736	843	882
	42	843	858	1002	1038
190	14	602	611	667	---
	18	616	625	---	---
	26	667	682	771	811
	34	775	789	907	948
	42	907	922	1078	1121
210	14	654	665	726	---
	18	671	681	---	---
	26	725	741	838	884
	34	867	884	1021	1067
	42	987	1004	1175	1221
230	14	709	722	790	---
	18	732	741	---	---
	26	791	806	918	968
	34	952	970	1129	1179
	42	1092	1110	1310	1360
250	14	747	760	833	---
	18	773	782	---	---
	26	833	853	971	1024
	34	1008	1026	1195	1253
	42	1160	1180	1394	1446
270	14	783	798	877	---
	18	811	823	---	---
	26	877	893	1024	1082
	34	1063	1084	1265	1323
	42	1226	1244	1475	1533
290	14	848	863	947	---
	18	878	888	---	---
	26	947	969	1104	1168
	34	1144	1168	1359	1424
	42	1320	1344	1584	1651
310	14	888	905	993	---
	18	919	931	---	---
	26	993	1015	1155	1221
	34	1207	1230	1426	1492
	42	1400	1426	1665	1735
330	14	930	948	1042	---
	18	963	976	---	---
	26	1038	1063	1208	1278
	34	1263	1285	1496	1569
	42	1488	1514	1751	1826
370	14	1026	1047	1147	---
	18	1063	1078	---	---
	26	1146	1174	1331	1413
	34	1396	1426	1653	1734
	42	1650	1678	1938	2020

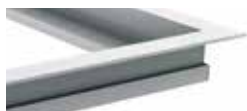
## ORDERING CODE WITH FRAME



code height length width col.  
 MICL. HHH LLL BB XXX  
 natural aluminium: **FNA**  
 alu black: **FBL**  
 alu dark brown: **FDB**  
 alu brass: **FBR**  
 lacquered: **FNC/XXX**

To ensure perfect adherence of the lacquer coating, an extremely wear-resistant and UV-resistant polyester lacquer coating of the highest quality is used. Only in glossy (code 2..)

## ORDERING CODE WITH COVER FRAME



code height length width col.  
 MICZ. HHH LLL BB XXX  
 natural aluminium: **FNA**  
 alu black: **FBL**  
 alu dark brown: **FDB**  
 alu brass: **FBR**  
 lacquered: **FNC/XXX**

The cover frame is designed to provide a perfect finish with renovations or wooden floors.



**ORDERING CODE**

code length width grille  
 GRIL. LLL.L BB.B /XXX  
 Grille codes see p. 376

**GRILLES - MINI CANAL**

L	B	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
108.8	12.8	200,19	200,19	200,19	223,04	200,19	200,19	200,19	200,19	223,04	113,15	113,15	654,98	200,19	223,04
	16.8	211,07	211,07	211,07	244,80	211,07	211,07	211,07	211,07	244,80	138,18	138,18	726,78	211,07	244,80
	24.8	239,36	239,36	239,36	285,06	239,36	239,36	239,36	239,36	285,06	186,05	186,05	829,06	239,36	285,06
	32.8	324,22	324,22	324,22	340,54	324,22	324,22	324,22	324,22	340,54	233,92	233,92	1030,34	324,22	340,54
	40.8	350,34	350,34	350,34	399,30	350,34	350,34	350,34	350,34	399,30	281,79	281,79	1348,03	350,34	399,30
128.8	12.8	236,99	236,99	236,99	264,04	236,99	236,99	236,99	236,99	264,04	133,95	133,95	775,38	236,99	264,04
	16.8	249,87	249,87	249,87	289,80	249,87	249,87	249,87	249,87	289,80	163,58	163,58	860,38	249,87	289,80
	24.8	283,36	283,36	283,36	337,46	283,36	283,36	283,36	283,36	337,46	220,25	220,25	981,46	283,36	337,46
	32.8	383,82	383,82	383,82	403,14	383,82	383,82	383,82	383,82	403,14	276,92	276,92	1219,74	383,82	403,14
	40.8	414,74	414,74	414,74	472,70	414,74	414,74	414,74	414,74	472,70	333,59	333,59	1595,83	414,74	472,70
148.8	12.8	273,79	273,79	273,79	305,04	273,79	273,79	273,79	273,79	305,04	154,75	154,75	895,78	273,79	305,04
	16.8	288,67	288,67	288,67	334,80	288,67	288,67	288,67	288,67	334,80	188,98	188,98	993,98	288,67	334,80
	24.8	327,36	327,36	327,36	389,86	327,36	327,36	327,36	327,36	389,86	254,45	254,45	1133,86	327,36	389,86
	32.8	443,42	443,42	443,42	465,74	443,42	443,42	443,42	443,42	465,74	319,92	319,92	1409,14	443,42	465,74
	40.8	479,14	479,14	479,14	546,10	479,14	479,14	479,14	479,14	546,10	385,39	385,39	1843,63	479,14	546,10
168.8	12.8	310,59	310,59	310,59	346,04	310,59	310,59	310,59	310,59	346,04	175,55	175,55	1016,18	310,59	346,04
	16.8	327,47	327,47	327,47	379,80	327,47	327,47	327,47	327,47	379,80	214,38	214,38	1127,58	327,47	379,80
	24.8	371,36	371,36	371,36	442,26	371,36	371,36	371,36	371,36	442,26	288,65	288,65	1286,26	371,36	442,26
	32.8	503,02	503,02	503,02	528,34	503,02	503,02	503,02	503,02	528,34	362,92	362,92	1598,54	503,02	528,34
	40.8	543,54	543,54	543,54	619,50	543,54	543,54	543,54	543,54	619,50	437,19	437,19	2091,43	543,54	619,50
188.8	12.8	347,39	347,39	347,39	387,04	347,39	347,39	347,39	347,39	387,04	196,35	196,35	1136,58	347,39	387,04
	16.8	366,27	366,27	366,27	424,80	366,27	366,27	366,27	366,27	424,80	239,78	239,78	1261,18	366,27	424,80
	24.8	415,36	415,36	415,36	494,66	415,36	415,36	415,36	415,36	494,66	322,85	322,85	1438,66	415,36	494,66
	32.8	562,62	562,62	562,62	590,94	562,62	562,62	562,62	562,62	590,94	405,92	405,92	1787,94	562,62	590,94
	40.8	607,94	607,94	607,94	692,90	607,94	607,94	607,94	607,94	692,90	488,99	488,99	2339,23	607,94	692,90
208.8	12.8	384,19	384,19	384,19	428,04	384,19	384,19	384,19	384,19	428,04	217,15	217,15	1256,98	384,19	428,04
	16.8	405,07	405,07	405,07	469,80	405,07	405,07	405,07	405,07	469,80	265,18	265,18	1394,78	405,07	469,80
	24.8	459,36	459,36	459,36	547,06	459,36	459,36	459,36	459,36	547,06	357,05	357,05	1591,06	459,36	547,06
	32.8	622,22	622,22	622,22	653,54	622,22	622,22	622,22	622,22	653,54	448,92	448,92	1977,34	622,22	653,54
	40.8	672,34	672,34	672,34	766,30	672,34	672,34	672,34	672,34	766,30	540,79	540,79	2587,03	672,34	766,30
228.8	12.8	420,99	420,99	420,99	469,04	420,99	420,99	420,99	420,99	469,04	237,95	237,95	1377,38	420,99	469,04
	16.8	443,87	443,87	443,87	514,80	443,87	443,87	443,87	443,87	514,80	290,58	290,58	1528,38	443,87	514,80
	24.8	503,36	503,36	503,36	599,46	503,36	503,36	503,36	503,36	599,46	391,25	391,25	1743,46	503,36	599,46
	32.8	681,82	681,82	681,82	716,14	681,82	681,82	681,82	681,82	716,14	491,92	491,92	2166,74	681,82	716,14
	40.8	736,74	736,74	736,74	839,70	736,74	736,74	736,74	736,74	839,70	592,59	592,59	2834,83	736,74	839,70
248.8	12.8	457,79	457,79	457,79	510,04	457,79	457,79	457,79	457,79	510,04	258,75	258,75	1497,78	457,79	510,04
	16.8	482,67	482,67	482,67	559,80	482,67	482,67	482,67	482,67	559,80	315,98	315,98	1661,98	482,67	559,80
	24.8	547,36	547,36	547,36	651,86	547,36	547,36	547,36	547,36	651,86	425,45	425,45	1895,86	547,36	651,86
	32.8	741,42	741,42	741,42	778,74	741,42	741,42	741,42	741,42	778,74	534,92	534,92	2356,14	741,42	778,74
	40.8	801,14	801,14	801,14	913,10	801,14	801,14	801,14	801,14	913,10	644,39	644,39	3082,63	801,14	913,10
268.8	12.8	494,59	494,59	494,59	551,04	494,59	494,59	494,59	494,59	551,04	279,55	279,55	1618,18	494,59	551,04
	16.8	521,47	521,47	521,47	604,80	521,47	521,47	521,47	521,47	604,80	341,38	341,38	1795,58	521,47	604,80
	24.8	591,36	591,36	591,36	704,26	591,36	591,36	591,36	591,36	704,26	459,65	459,65	2048,26	591,36	704,26
	32.8	801,02	801,02	801,02	841,34	801,02	801,02	801,02	801,02	841,34	577,92	577,92	2545,54	801,02	841,34
	40.8	865,54	865,54	865,54	986,50	865,54	865,54	865,54	865,54	986,50	696,19	696,19	3330,43	865,54	986,50
288.8	12.8	531,39	531,39	531,39	592,04	531,39	531,39	531,39	531,39	592,04	300,35	300,35	1738,58	531,39	592,04
	16.8	560,27	560,27	560,27	649,80	560,27	560,27	560,27	560,27	649,80	366,78	366,78	1929,18	560,27	649,80
	24.8	635,36	635,36	635,36	756,66	635,36	635,36	635,36	635,36	756,66	493,85	493,85	2200,66	635,36	756,66
	32.8	860,62	860,62	860,62	903,94	860,62	860,62	860,62	860,62	903,94	620,92	620,92	2734,94	860,62	903,94
	40.8	929,94	929,94	929,94	1059,90	929,94	929,94	929,94	929,94	1059,90	747,99	747,99	3578,23	929,94	1059,90
308.8	12.8	568,19	568,19	568,19	633,04	568,19	568,19	568,19	568,19	633,04	321,15	321,15	1858,98	568,19	633,04
	16.8	599,07	599,07	599,07	694,80	599,07	599,07	599,07	599,07	694,80	392,18	392,18	2062,78	599,07	694,80
	24.8	679,36	679,36	679,36	809,06	679,36	679,36	679,36	679,36	809,06	528,05	528,05	2353,06	679,36	809,06
	32.8	920,22	920,22	920,22	966,54	920,22	920,22	920,22	920,22	966,54	663,92	663,92	2924,34	920,22	966,54
	40.8	994,34	994,34	994,34	1133,30	994,34	994,34	994,34	994,34	1133,30	799,79	799,79	3826,03	994,34	1133,30
328.8	12.8	604,99	604,99	604,99	674,04	604,99	604,99	604,99	604,99	674,04	341,95	341,95	1979,38	604,99	674,04
	16.8	637,87	637,87	637,87	739,80	637,87	637,87	637,87	637,87	739,80	417,58	417,58	2196,38	637,87	739,80
	24.8	723,36	723,36	723,36	861,46	723,36	723,36	723,36	723,36	861,46	562,25	562,25	2505,46	723,36	861,46
	32.8	979,82	979,82	979,82	1029,14	979,82	979,82	979,82	979,82	1029,14	706,92	706,92	3113,74	979,82	1029,14
	40.8	1058,74	1058,74	1058,74	1206,70	1058,74	1058,74	1058,74	1058,74	1206,70	851,59	851,59	4073,83	1058,74	1206,70
368.8	12.8	678,59	678,59	678,59	756,04	678,59	678,59	678,59	678,59	756,04	383,55	383,55	2220,18	678,59	756,04
	16.8	715,47	715,47	715,47	829,80	715,47	715,47	715,47	715,47	829,80	468,38	468,38	2463,58	715,47	829,80
	24.8	811,36	811,36	811,36	966,26	811,36	811,36	811,36	811,36	966,26	630,65	630,65	2810,26	811,36	966,26
	32.8	1099,02	1099,02	1099,02	1154,34	1099,02	1099,02	1099,02	1099,02	1154,34	792,92	792,92	3492,54	1099,02	1154,34
	40.8	1187,54	1187,54	1187,54	1353,50	1187,54	1187,54	1187,54	1187,54	1353,50	955,19	955,19	4569,43	1187,54	1353,50

# MINI CANAL HYBRID - COMPLETE UNIT WITHOUT GRILLE



Building in-opening:  
 Height H + 1 cm  
 Length L + 0.5 cm  
 Width B + 0.5 cm

## Standard delivery

- Pre-assembled, dark grey lacquered Mini Canal DBE with:
- Low-H<sub>2</sub>O heat exchanger
  - fixing straps
  - air vent(s) 1/8" and drain plug(s) 1/2"
  - anodised frame or cover frame
  - Jaga dynamic product controller

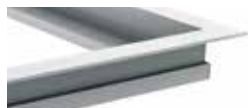
## ORDERING CODE WITH FRAME



code height length width col.  
 MDCL. HHH LLL BB XXX

natural aluminium: **FNA**  
 alu black: **FBL**  
 alu dark brown: **FDB**  
 alu brass: **FBR**  
 lacquered: **FNC/XXX**

## ORDERING CODE WITH COVER FRAME



code height length width col.  
 MDCZ. HHH LLL BB XXX

natural aluminium: **FNA**  
 alu black: **FBL**  
 alu dark brown: **FDB**  
 alu brass: **FBR**  
 lacquered: **FNC/XXX**

To ensure perfect adherence of the lacquer coating, an extremely wear-resistant and UV-resistant polyester lacquer coating of the highest quality is used. Only in glossy (code 2..)

Grille dimensions =  
 duct dimensions - 1.2 cm



L	B	H 014
110	26	797
	34	858
	42	921
130	26	854
	34	924
	42	999
150	26	1004
	34	1086
	42	1198
170	26	1198
	34	1300
	42	1433
190	26	1240
	34	1354
	42	1496
210	26	1408
	34	1561
	42	1690
230	26	1476
	34	1652
	42	1802
250	26	1634
	34	1820
	42	1985
270	26	1677
	34	1878
	42	2053
290	26	1857
	34	2069
	42	2259
310	26	2013
	34	2238
	42	2438

**ORDERING CODE**

code length width grille  
 GRIL. LLL.L BB.B /XXX  
 |  
 Grille codes see p. 376

# GRILLES - MINI CANAL HYBRID

L	B	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
<b>108.8</b>	<b>24.8</b>	239,36	239,36	239,36	285,06	239,36	239,36	239,36	239,36	285,06	186,05	186,05	829,06	239,36	285,06
	<b>32.8</b>	324,22	324,22	324,22	340,54	324,22	324,22	324,22	324,22	340,54	233,92	233,92	1030,34	324,22	340,54
	<b>40.8</b>	350,34	350,34	350,34	399,30	350,34	350,34	350,34	350,34	399,30	281,79	281,79	1348,03	350,34	399,30
<b>128.8</b>	<b>24.8</b>	283,36	283,36	283,36	337,46	283,36	283,36	283,36	283,36	337,46	220,25	220,25	981,46	283,36	337,46
	<b>32.8</b>	383,82	383,82	383,82	403,14	383,82	383,82	383,82	383,82	403,14	276,92	276,92	1219,74	383,82	403,14
	<b>40.8</b>	414,74	414,74	414,74	472,70	414,74	414,74	414,74	414,74	472,70	333,59	333,59	1595,83	414,74	472,70
<b>148.8</b>	<b>24.8</b>	327,36	327,36	327,36	389,86	327,36	327,36	327,36	327,36	389,86	254,45	254,45	1133,86	327,36	389,86
	<b>32.8</b>	443,42	443,42	443,42	465,74	443,42	443,42	443,42	443,42	465,74	319,92	319,92	1409,14	443,42	465,74
	<b>40.8</b>	479,14	479,14	479,14	546,10	479,14	479,14	479,14	479,14	546,10	385,39	385,39	1843,63	479,14	546,10
<b>168.8</b>	<b>24.8</b>	371,36	371,36	371,36	442,26	371,36	371,36	371,36	371,36	442,26	288,65	288,65	1286,26	371,36	442,26
	<b>32.8</b>	503,02	503,02	503,02	528,34	503,02	503,02	503,02	503,02	528,34	362,92	362,92	1598,54	503,02	528,34
	<b>40.8</b>	543,54	543,54	543,54	619,50	543,54	543,54	543,54	543,54	619,50	437,19	437,19	2091,43	543,54	619,50
<b>188.8</b>	<b>24.8</b>	415,36	415,36	415,36	494,66	415,36	415,36	415,36	415,36	494,66	322,85	322,85	1438,66	415,36	494,66
	<b>32.8</b>	562,62	562,62	562,62	590,94	562,62	562,62	562,62	562,62	590,94	405,92	405,92	1787,94	562,62	590,94
	<b>40.8</b>	607,94	607,94	607,94	692,90	607,94	607,94	607,94	607,94	692,90	488,99	488,99	2339,23	607,94	692,90
<b>208.8</b>	<b>24.8</b>	459,36	459,36	459,36	547,06	459,36	459,36	459,36	459,36	547,06	357,05	357,05	1591,06	459,36	547,06
	<b>32.8</b>	622,22	622,22	622,22	653,54	622,22	622,22	622,22	622,22	653,54	448,92	448,92	1977,34	622,22	653,54
	<b>40.8</b>	672,34	672,34	672,34	766,30	672,34	672,34	672,34	672,34	766,30	540,79	540,79	2587,03	672,34	766,30
<b>228.8</b>	<b>24.8</b>	503,36	503,36	503,36	599,46	503,36	503,36	503,36	503,36	599,46	391,25	391,25	1743,46	503,36	599,46
	<b>32.8</b>	681,82	681,82	681,82	716,14	681,82	681,82	681,82	681,82	716,14	491,92	491,92	2166,74	681,82	716,14
	<b>40.8</b>	736,74	736,74	736,74	839,70	736,74	736,74	736,74	736,74	839,70	592,59	592,59	2834,83	736,74	839,70
<b>248.8</b>	<b>24.8</b>	547,36	547,36	547,36	651,86	547,36	547,36	547,36	547,36	651,86	425,45	425,45	1895,86	547,36	651,86
	<b>32.8</b>	741,42	741,42	741,42	778,74	741,42	741,42	741,42	741,42	778,74	534,92	534,92	2356,14	741,42	778,74
	<b>40.8</b>	801,14	801,14	801,14	913,10	801,14	801,14	801,14	801,14	913,10	644,39	644,39	3082,63	801,14	913,10
<b>268.8</b>	<b>24.8</b>	591,36	591,36	591,36	704,26	591,36	591,36	591,36	591,36	704,26	459,65	459,65	2048,26	591,36	704,26
	<b>32.8</b>	801,02	801,02	801,02	841,34	801,02	801,02	801,02	801,02	841,34	577,92	577,92	2545,54	801,02	841,34
	<b>40.8</b>	865,54	865,54	865,54	986,50	865,54	865,54	865,54	865,54	986,50	696,19	696,19	3330,43	865,54	986,50
<b>288.8</b>	<b>24.8</b>	635,36	635,36	635,36	756,66	635,36	635,36	635,36	635,36	756,66	493,85	493,85	2200,66	635,36	756,66
	<b>32.8</b>	860,62	860,62	860,62	903,94	860,62	860,62	860,62	860,62	903,94	620,92	620,92	2734,94	860,62	903,94
	<b>40.8</b>	929,94	929,94	929,94	1059,90	929,94	929,94	929,94	929,94	1059,90	747,99	747,99	3578,23	929,94	1059,90
<b>308.8</b>	<b>24.8</b>	679,36	679,36	679,36	809,06	679,36	679,36	679,36	679,36	809,06	528,05	528,05	2353,06	679,36	809,06
	<b>32.8</b>	920,22	920,22	920,22	966,54	920,22	920,22	920,22	920,22	966,54	663,92	663,92	2924,34	920,22	966,54
	<b>40.8</b>	994,34	994,34	994,34	1133,30	994,34	994,34	994,34	994,34	1133,30	799,79	799,79	3826,03	994,34	1133,30

# SEPARATE GRILLES

## ORDERING CODE

code length width grille  
 GRIL. LLL.L BB.B /XXX  
 |  
 Grille codes

€/METRE

B	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
12.8	184	184	184	205	184	184	184	184	205	104	104	602	184	205
16.8	194	194	194	225	194	194	194	194	225	127	127	668	194	225
24.8	220	220	220	262	220	220	220	220	262	171	171	762	220	262
28.8	285	285	285	272	285	285	285	285	272	192	192	843	285	272
32.8	298	298	298	313	298	298	298	298	313	215	215	947	298	313
36.8	308	308	308	342	308	308	308	308	342	238	238	1006	308	342
40.8	322	322	322	367	322	322	322	322	367	259	259	1239	322	367
44.8	333	333	333	398	333	333	333	333	398	281	281	1248	333	398
48.8	397	397	397	417	397	397	397	397	417	304	304	1350	397	417
52.8	412	412	412	469	412	412	412	412	469	327	327	1460	412	469
56.8	423	423	423	504	423	423	423	423	504	348	348	1544	423	504

⚠ Indicate length in cm. Max. 6 m in 1 piece. Length grille = length frame - 1.2 cm.

For all technical information see page 380

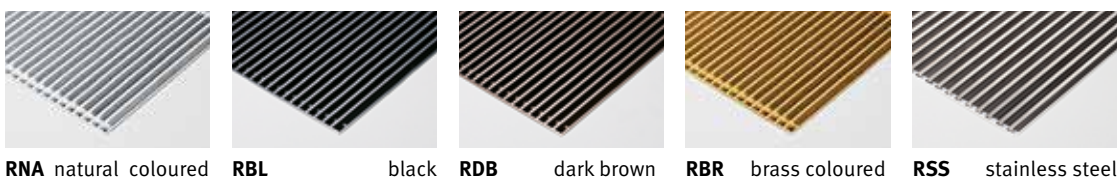
## DESIGNO RIGID ALUMINIUM GRILLES



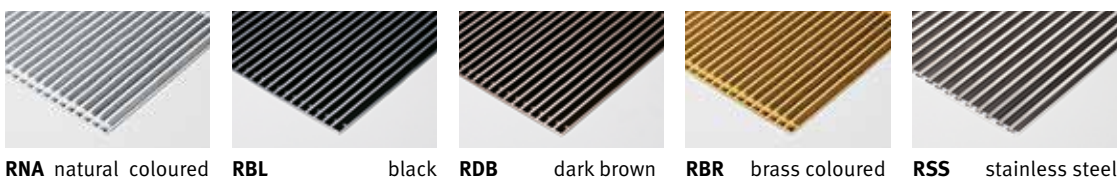
## RIGID ALUMINIUM GRILLES



## ROLL-UP ALUMINIUM GRILLES



## STAINLESS STEEL GRILLE



## DESIGNO ROLL-UP WOODEN GRILLES



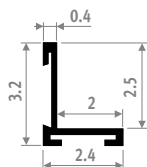
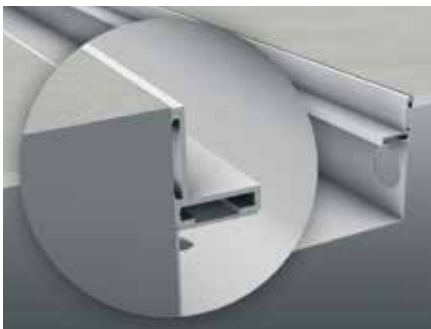
## ROLL-UP WOODEN GRILLES



# FRAME / COVER FRAME

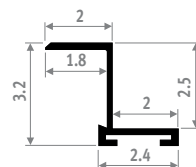
B	€/m
14.0	59
18.0	59
26.0	60
30.0	61
34.0	61
38.0	62
42.0	62
46.0	64
50.0	64
54.0	66
58.0	66

## FRAME



Frame in anodized aluminium.  
Length up to 6 metres in one piece.

## COVER FRAME



Cover frame in anodized aluminium.  
Length up to 6 metres in one piece.  
The cover frame allows a perfect finish with renovations or wooden floors.

### ORDERING CODE FRAME

code	length	width	colour
FRML .	LLL.L	BB.B	XXX
		natural aluminium: <b>FNA</b>	
		alu black: <b>FBL</b>	
		alu dark brown: <b>FDB</b>	
		alu brass: <b>FBR</b>	
		lacquered: <b>FNC/XXX</b>	

### ORDERING CODE COVER FRAME

code	length	width	colour
FRMZ .	LLL.L	BB.B	XXX
		natural aluminium: <b>FNA</b>	
		alu black: <b>FBL</b>	
		alu dark brown: <b>FDB</b>	
		alu brass: <b>FBR</b>	
		lacquered: <b>FNC/XXX</b>	

To ensure perfect adherence of the lacquer coating, an extremely wear-resistant and UV-resistant polyester lacquer coating of the highest quality is used.  
Only in glossy (code 2..) and special colours 006, 005, 026 and 028.

# ELECTRIC HEATING ELEMENT WITH ECODESIGN COMPLIANT CONTROLLER

For Sani Ronda & Sani Basic

## ELECTRIC HEATING ELEMENT WITH DIGITAL CONTROLLER



**ECOdesign2018**  
compliant

- Electric heating element II , with case in stainless steel  $\varnothing$  1.4 cm
- Protection class IP 54
- Operating voltage: 230 V mono - 50 Hz
- Cable for electrical connection in socket outlet, length 0.80 m. The black wire should NOT be used and must be insulated.
- Casing: ABS/PC white
- Day and week program
- Setpoint between 7°C and 30°C, preset at 19°C
- Control with touch operation
- LCD display with background light
- Functions: Auto/Comfort/Eco/Standby/Frost protection
- Automatic detection for open windows, compliant with Ecodesign
- Boost function adjustable between 10 and 90 minutes in 5 min. intervals.
- Indication of energy consumption based on the temperature setting
- Indication of energy consumption in kWh since reset or over 24 hours period
- Child lock: keypad locking
- Adjustable Pin code lock
- Overheating protection

### Which output to select?

The power of the selected electric element should not exceed 125% of the output in a water based system at 75/65/20.

CODE	WATTS	L	€
<b>Electric heating element without T-piece</b>			
9096.0300	300	40	214
9096.0500	500	48	215
9096.0750	750	60	221
9096.1000	1000	72	226
9096.1250	1250	85	229
<b>Electric heating element with 1 T-piece</b>			
9096.0300/. . .	300	40	224
9096.0500/. . .	500	48	226
9096.0750/. . .	750	60	230
9096.1000/. . .	1000	72	237
9096.1250/. . .	1250	85	240
<b>Electric heating element with 2 T-pieces</b>			
9096.0300/. . . /2	300	40	234
9096.0500/. . . /2	500	48	236
9096.0750/. . . /2	750	60	242
9096.1000/. . . /2	1000	72	251
9096.1250/. . . /2	1250	85	252

fill in colour code:  
009 (chrome),  
233 (traffic white RAL 9016 - glossy)

## INFRARED REMOTE CONTROL

The remote control is an option and is only used to remotely control the functions indicated below.



Includes wall mount clip.

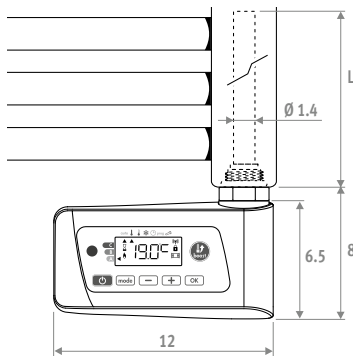
Functions:

- display room temperature
- selection Auto/Comfort/Eco/Standby/Frost protection
- boost function
- adjustment of setpoint and boost duration

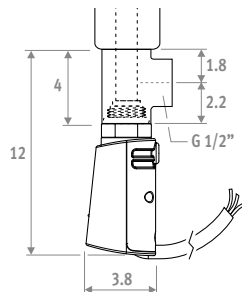
CODE	€
9096.020101	53

## DIMENSIONS

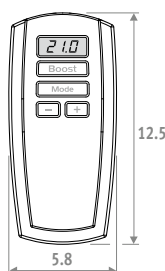
### 100% Electric



### Mixed connection



### Remote control

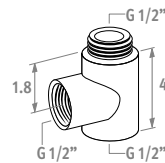


## CONNECTION

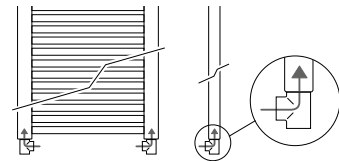
- Fit the electric heating element vertically in valve position 1 or 8.
- Fit the pressure relief valve (3 bar) in the air vent socket at the top.
- Fill the radiator completely with water before turning on the electric element.

## T-PIECE

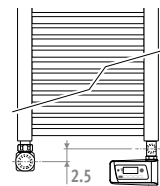
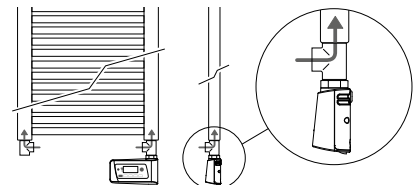
- Fit the T-piece together with the electric heating element for connection to the central heating system.
- NEVER isolate the radiator from the expansion system, in other words never cut off the return of the radiator.



### For connection at the side or at the back



### For mixed connection





**jaga** CLIMATE DESIGNERS



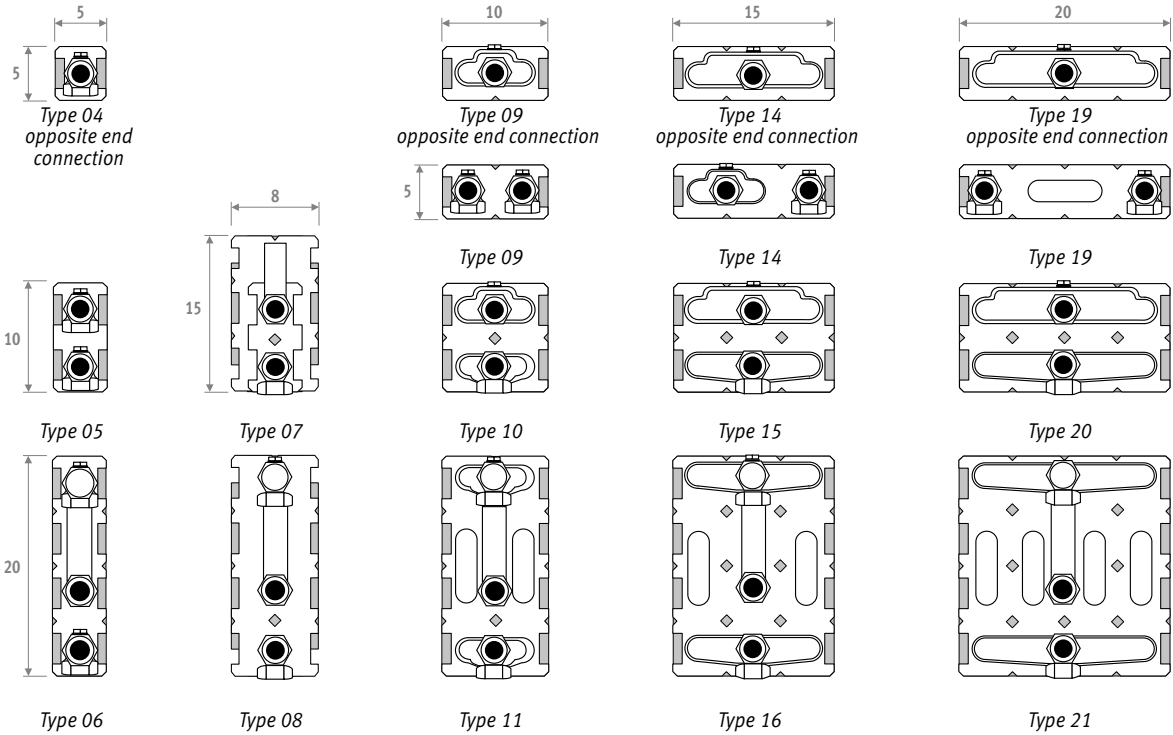
More products or info  
see [www.jaga.com](http://www.jaga.com)





# TECHNICAL INFORMATION

# HEAT EXCHANGERS OVERVIEW



Type	Strada	Linea Plus	Tempo	Mini	Knockonwood	Play	Installation into a wall recess	Tempo freestanding	Mini freestanding	Mini freestanding Hybrid	Knockonwood freestanding	Mini Canal H / W	Mini Canal Hybrid H / W	Canal Plus Canal Compact
04 opposite end connection	-	-	-	-	-	-	-	-	-	-	-	✓ 09-11/14	-	-
05	-	-	-	✓	-	-	-	-	-	-	-	✓ 14/14	-	-
06	-	-	-	✓	-	-	-	-	✓	-	-	-	-	-
07	✓*	-	-	-	-	-	-	-	-	-	-	-	-	-
08	✓**	-	-	-	✓	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	✓ 09-11/18-26	-	-
09 opposite end connection	-	-	-	✓	-	-	-	-	✓	-	-	-	-	-
10	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓ 14-19/26	✓ 14/26	✓
11	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	✓ 09-11/34	-	-
14 opposite end connection	-	-	-	✓	-	-	-	-	✓	-	-	-	-	-
15	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓ 14-19/34	✓ 14/34	✓
16	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	✓ 09-11/42	-	-
19 opposite end connection	-	-	-	✓	-	-	-	-	✓	-	-	-	-	-
20	✓	✓	✓	✓	-	✓	✓	✓	✓	-	-	✓ 14-19/42	✓ 14/42	✓
21	✓	✓	✓	✓	-	✓	✓	✓	✓	-	-	-	-	-

\* Strada type 06, height 20

\*\* Knockonwood and Strada type 06, all other heights

# CORRECTION FACTORS STATISCH

The indicated outputs with  $\Delta T 50$  and  $\Delta T 30$  are the exact outputs.  $\Delta T 50$  output measured in accordance with EN442 and  $\Delta T 30$  output calculated according to EN442. An average correction factor is given in this table for all other  $\Delta T$  outputs, applicable for all dimensions.

At [www.jaga.com/en/download-en/selection-tools](http://www.jaga.com/en/download-en/selection-tools) you can download the calculation tools with the exact outputs. The online calculation tools are kept up to date with the most recent data. Minor output differences between printed tables and the different online calculation tools are therefore completely normal and within the margins of tolerance imposed by the standard.

## AVERAGE CORRECTION FACTORS FOR STATIC PRODUCTS ACCORDING TO EN442

Room temperature: 20°C

Average N-value: 1.36

Tr	65	60	55	50	45	40	35	30	25
Ta									
75	1.00	0.93	0.85	0.77	0.69	0.61	0.52	0.42	0.31
70	0.94	0.87	0.79	0.72	0.64	0.56	0.48	0.39	0.28
65		0.80	0.74	0.67	0.60	0.52	0.44	0.35	0.25
60			0.68	0.61	0.55	0.48	0.40	0.32	0.23
55				0.56	0.50	0.43	0.36	0.29	0.20
50					0.44	0.38	0.32	0.25	0.18
45						0.34	0.28	0.22	0.15
40							0.24	0.19	0.13
35								0.15	0.10
30									0.07

Room temperature: 24°C

Average N-value: 1.36

Tr	65	60	55	50	45	40	35	30	25
Ta									
75	0.89	0.82	0.75	0.67	0.59	0.51	0.41	0.31	0.16
70	0.83	0.76	0.69	0.62	0.54	0.47	0.38	0.28	0.14
65		0.70	0.64	0.57	0.50	0.43	0.35	0.25	0.12
60			0.58	0.52	0.45	0.38	0.31	0.23	0.11
55				0.47	0.41	0.34	0.28	0.20	0.09
50					0.36	0.30	0.24	0.17	0.08
45						0.26	0.20	0.14	0.06
40							0.17	0.12	0.05
35								0.09	0.03
30									0.02



STRADA



LINEA PLUS



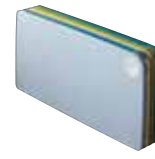
TEMPO



MINI WALL



KNOCKONWOOD



PLAY



PANEL PLUS



INSTALLATION IN A WALL RECESS



MINI



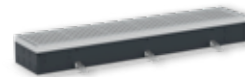
LINEA PLUS



TEMPO



PANEL PLUS



MINI CANAL



SANI ELECTRIC



SANI RONDA



SANI BASIC



IGUANA APLANO



IGUANA CIRCO



IGUANA CORNER



IGUANA VISIO



IGUANA ARCO



IGUANA ANGULA



TETRA



DECO SPACE



PANEL PLUS

# CORRECTION FACTORS HYBRID

The indicated outputs with  $\Delta T 50$  and  $\Delta T 30$  are the exact outputs.  $\Delta T 50$  output measured in accordance with EN442 and  $\Delta T 30$  output calculated according to EN442. An average correction factor is given in this table for all other  $\Delta T$  outputs, applicable for all dimensions.

At [www.jaga.com/en/download-en/selection-tools](http://www.jaga.com/en/download-en/selection-tools) you can download the calculation tools with the exact outputs. The online calculation tools are kept up to date with the most recent data. Minor output differences between printed tables and the different online calculation tools are therefore completely normal and within the margins of tolerance imposed by the standard.

## AVERAGE CORRECTION FACTORS FOR HYBRID PRODUCTS - 75/65/20°C

Room temperature: 20°C

Average N-value: 1.10

Ta	Tr	65	60	55	50	45	40	35	30	25
75	1.00	0.94	0.88	0.81	0.74	0.67	0.59	0.50	0.38	
70	0.95	0.89	0.83	0.77	0.70	0.63	0.55	0.47	0.36	
65		0.84	0.78	0.72	0.66	0.59	0.52	0.43	0.33	
60			0.73	0.67	0.61	0.55	0.48	0.40	0.30	
55				0.62	0.57	0.51	0.44	0.37	0.28	
50					0.52	0.46	0.40	0.33	0.25	
45						0.42	0.36	0.29	0.22	
40							0.31	0.26	0.19	
35								0.22	0.15	
30									0.12	

Room temperature: 24°C

Average N-value: 1.10

Ta	Tr	65	60	55	50	45	40	35	30	25
75	0.91	0.85	0.79	0.72	0.65	0.58	0.49	0.39	0.22	
70	0.86	0.80	0.74	0.68	0.61	0.54	0.46	0.36	0.20	
65		0.75	0.69	0.63	0.57	0.50	0.42	0.33	0.19	
60			0.64	0.59	0.53	0.46	0.39	0.30	0.17	
55				0.54	0.48	0.42	0.35	0.27	0.15	
50					0.44	0.38	0.32	0.24	0.13	
45						0.33	0.28	0.21	0.11	
40							0.23	0.17	0.09	
35								0.14	0.07	
30									0.04	



STRADA HYBRID



RADIATORS WITH DBH UPGRADE SET



INSTALLATION IN A WALL RECESS HYBRID

# CORRECTION FACTORS DYNAMISCH

The indicated outputs with  $\Delta T 50$  and  $\Delta T 30$  are the exact outputs.  $\Delta T 50$  output measured in accordance with EN442 and  $\Delta T 30$  output calculated according to EN442. An average correction factor is given in this table for all other  $\Delta T$  outputs, applicable for all dimensions.

At [www.jaga.com/en/download-en/selection-tools](http://www.jaga.com/en/download-en/selection-tools) you can download the calculation tools with the exact outputs. The online calculation tools are kept up to date with the most recent data. Minor output differences between printed tables and the different online calculation tools are therefore completely normal and within the margins of tolerance imposed by the standard.

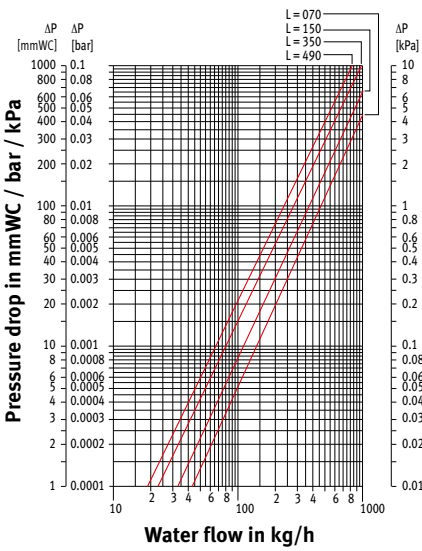
## AVERAGE CORRECTION FACTORS FOR DYNAMIC PRODUCTS - 75/65/20°C

Room temperature: 20°C										Room temperature: 24°C											
Average N-value: 1.00										Average N-value: 1.00											
Ta	Tr	65	60	55	50	45	40	35	30	25	Ta	Tr	65	60	55	50	45	40	35	30	25
75		1.00	0.95	0.89	0.83	0.76	0.69	0.62	0.53	0.42	75		0.92	0.86	0.81	0.74	0.68	0.61	0.52	0.42	0.26
70		0.95	0.90	0.84	0.79	0.72	0.66	0.58	0.50	0.39	70		0.87	0.82	0.76	0.70	0.64	0.57	0.49	0.39	0.24
65			0.85	0.80	0.74	0.68	0.62	0.55	0.47	0.37	65			0.77	0.72	0.66	0.60	0.53	0.46	0.37	0.22
60				0.75	0.70	0.64	0.58	0.51	0.43	0.34	60				0.67	0.62	0.56	0.49	0.42	0.34	0.20
55					0.65	0.60	0.54	0.47	0.40	0.31	55					0.57	0.52	0.46	0.39	0.31	0.18
50						0.55	0.49	0.43	0.37	0.28	50						0.47	0.41	0.35	0.27	0.15
45							0.45	0.39	0.33	0.25	45							0.37	0.31	0.24	0.13
40								0.35	0.29	0.22	40								0.27	0.20	0.11
35									0.25	0.18	35									0.17	0.08
30										0.14	30										0.06

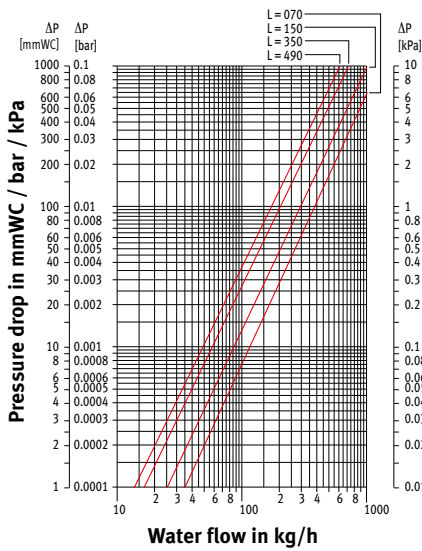


# PRESSURE DROP HEAT EXCHANGERS

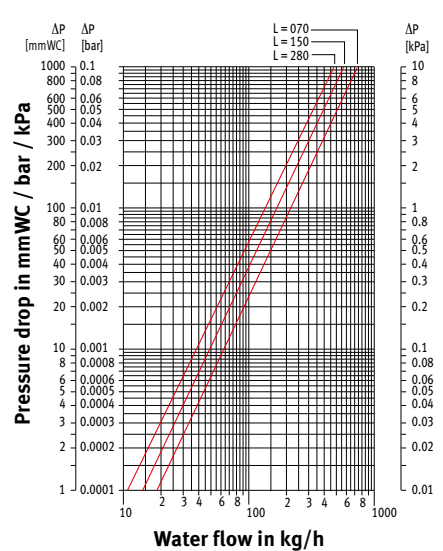
**PRESSURE DROP TYPE 04  
OPPOSITE END CONNECTION**



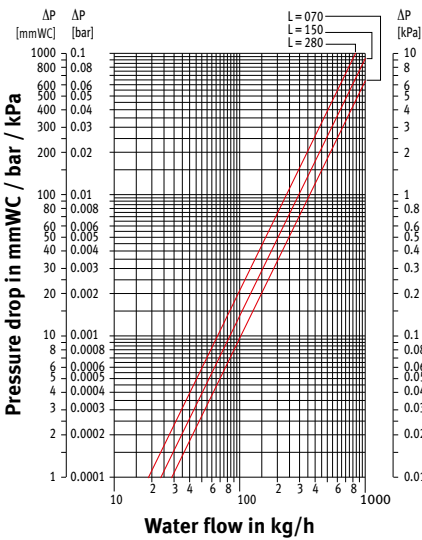
**PRESSURE DROP TYPE 05**



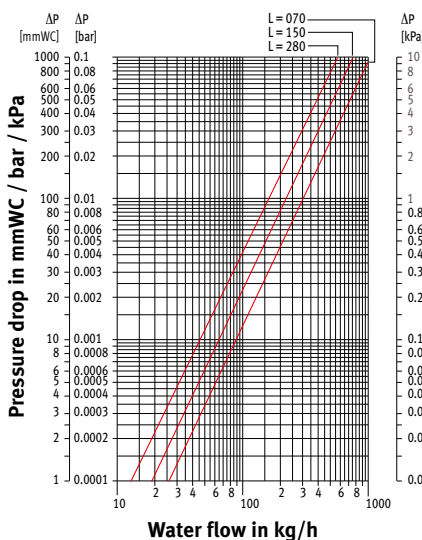
**PRESSURE DROP TYPE 06**



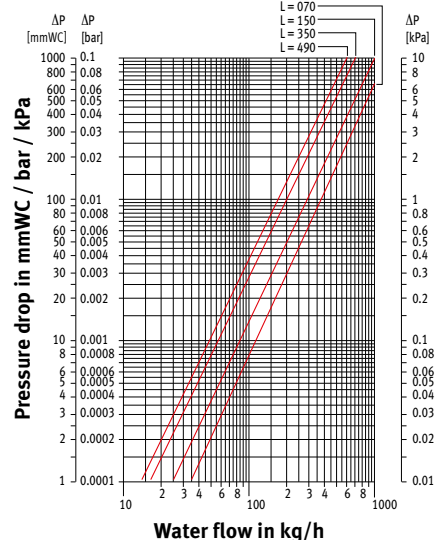
**PRESSURE DROP TYPE 07**



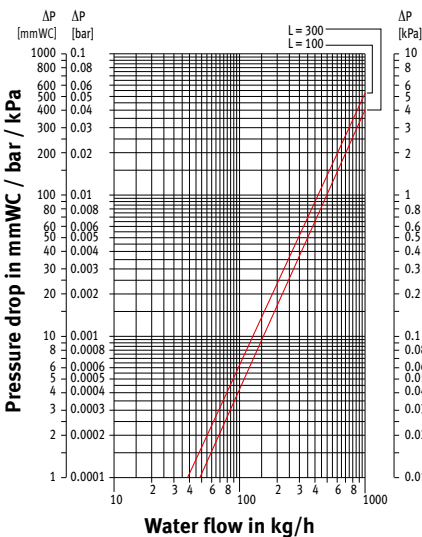
**PRESSURE DROP TYPE 08**



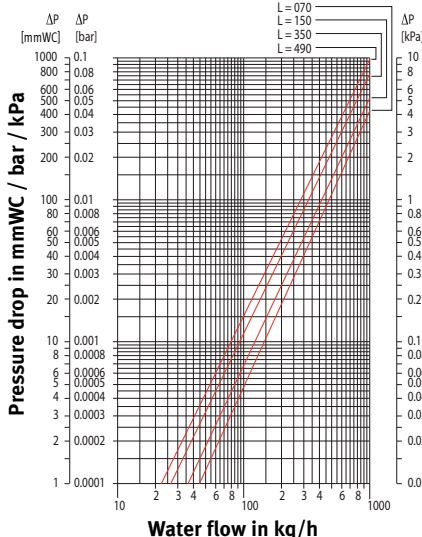
**PRESSURE DROP TYPE 09**



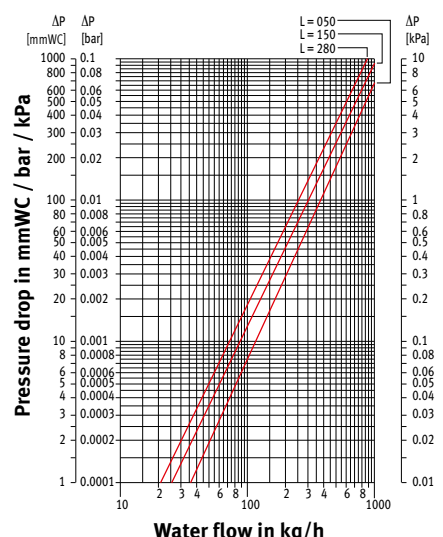
**PRESSURE DROP TYPE 09  
OPPOSITE END CONNECTION**



**PRESSURE DROP TYPE 10**

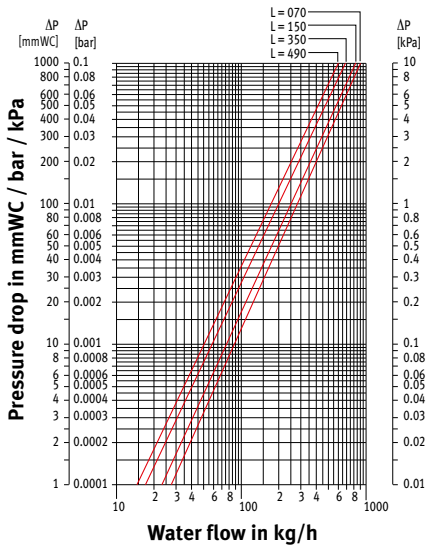


**PRESSURE DROP TYPE 11**

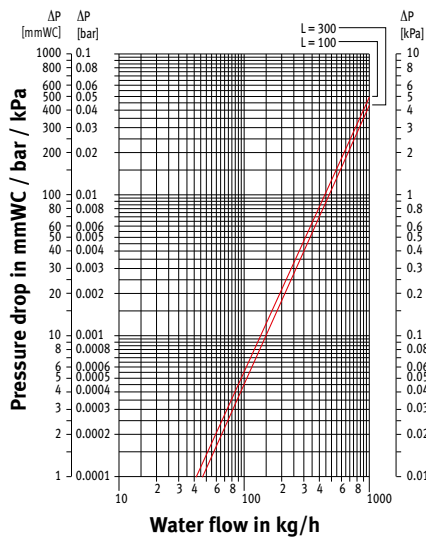


# HEAT EXCHANGERS PRESSURE DROP

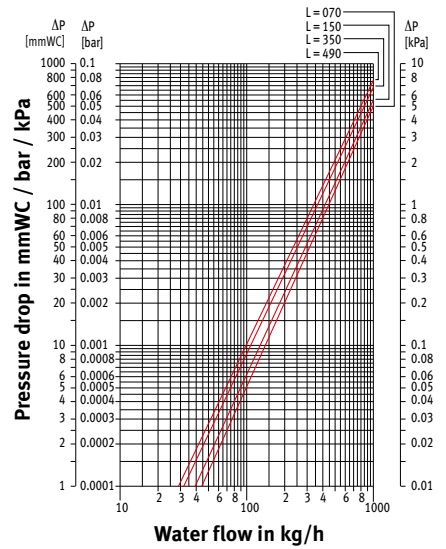
**PRESSURE DROP TYPE 14**



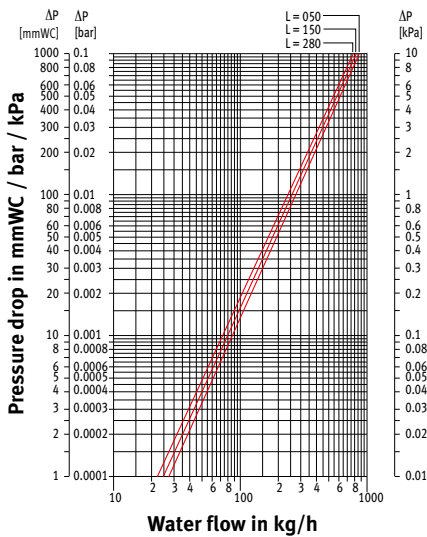
**PRESSURE DROP TYPE 14  
OPPOSITE END CONNECTION**



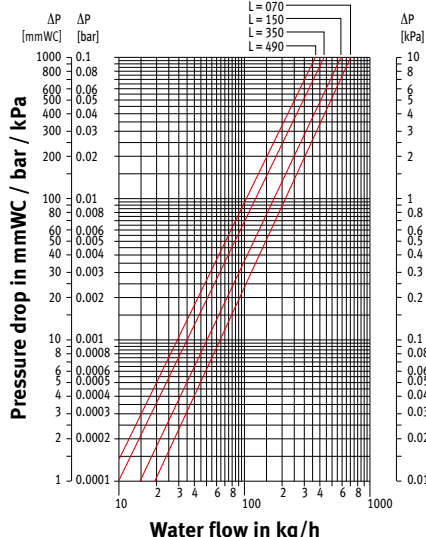
**PRESSURE DROP TYPE 15**



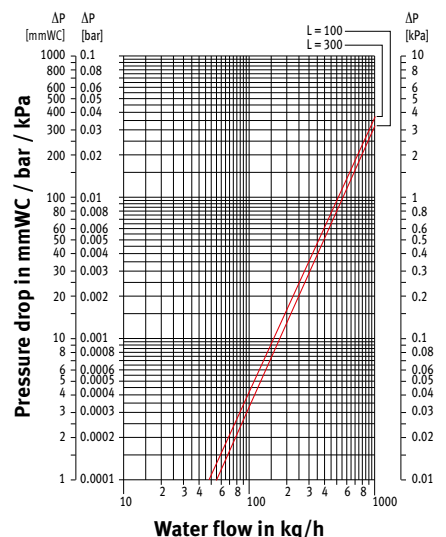
**PRESSURE DROP TYPE 16**



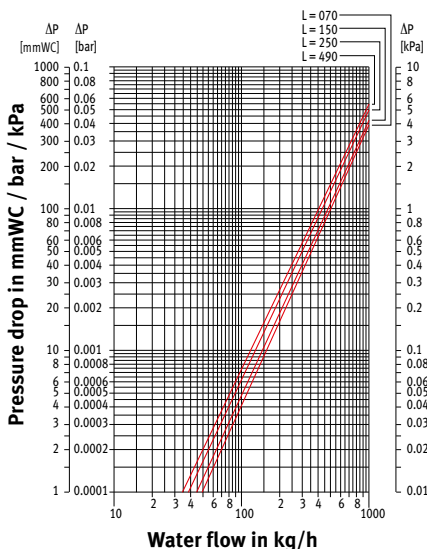
**PRESSURE DROP TYPE 19**



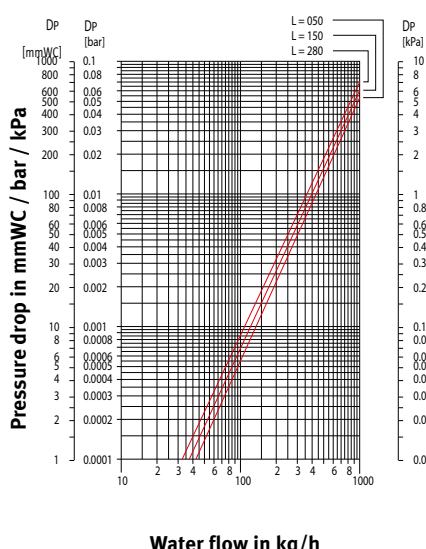
**PRESSURE DROP TYPE 19  
OPPOSITE END CONNECTION**



**PRESSURE DROP TYPE 20**

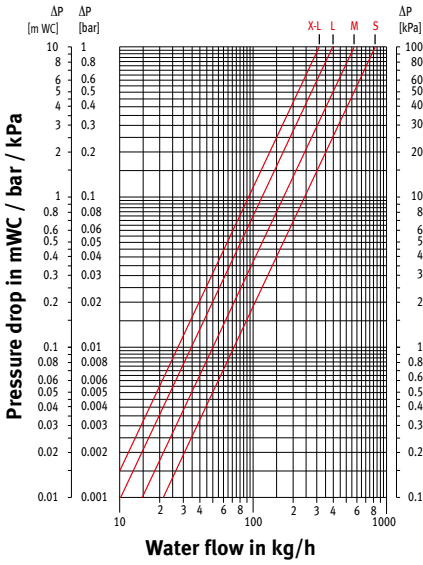


**PRESSURE DROP TYPE 21**

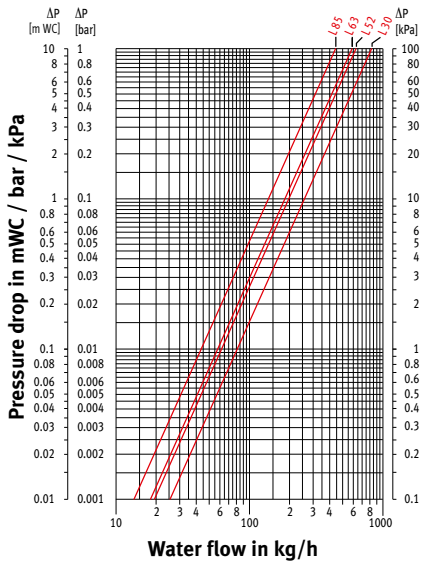


# PRESSURE DROP

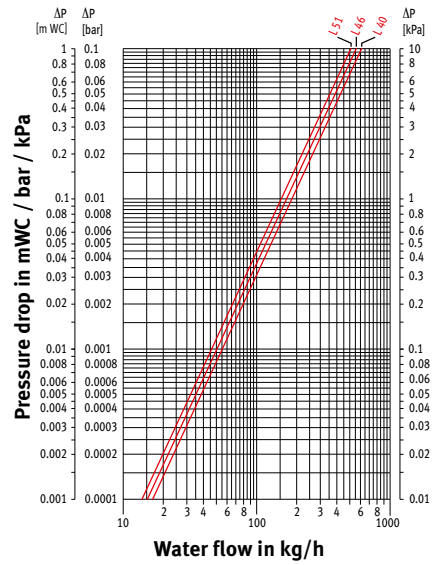
## HEATWAVE



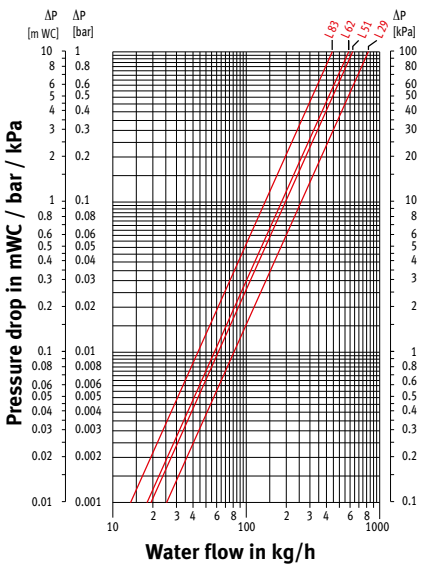
## IGUANA APLANO IGUANA APLANO PLUS



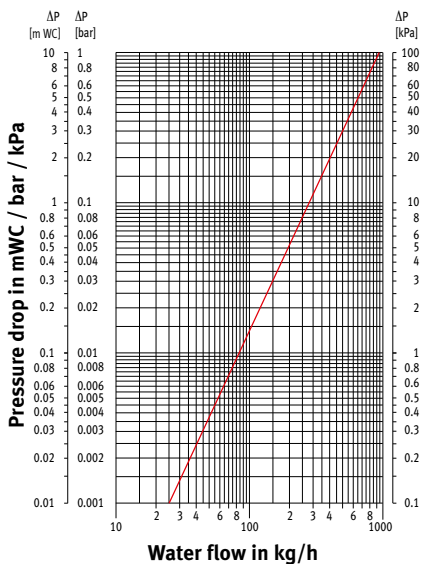
## IGUANA ANGULA PLUS



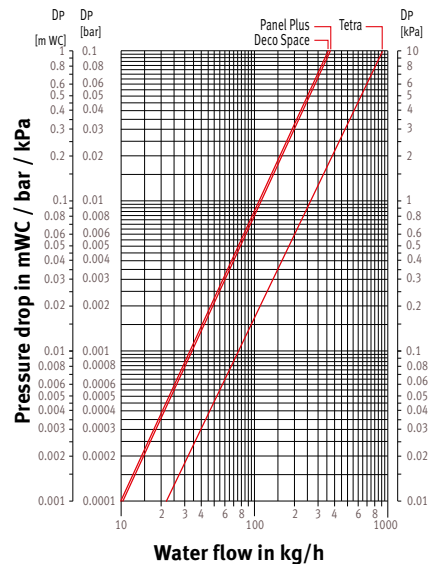
## IGUANA ARCO / VISIO IGUANA ARCO / VISIO PLUS



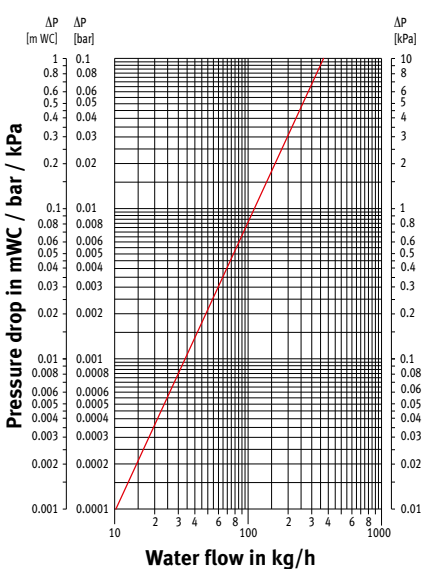
## IGUANA CORNER IGUANA CORNER PLUS



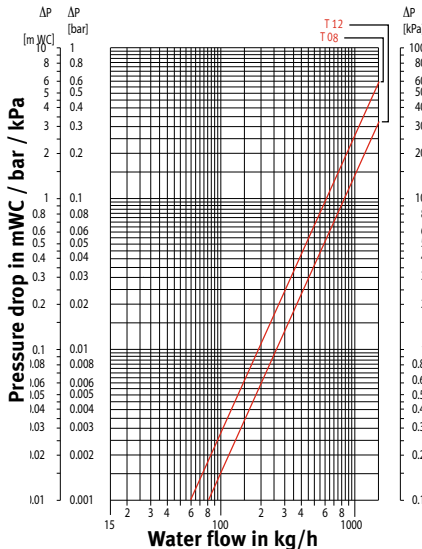
## PANEL PLUS / TETRA / DECO SPACE



## SANI RONDA / SANI BASIC



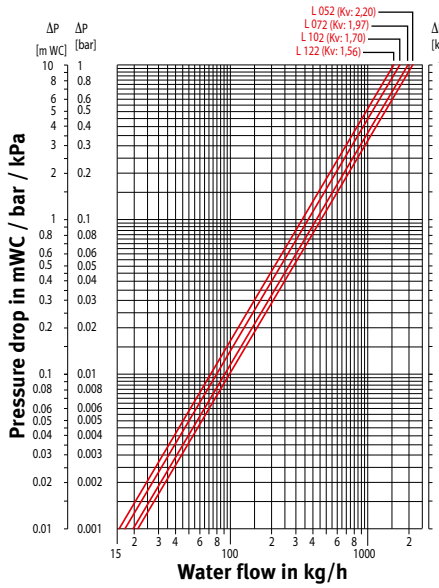
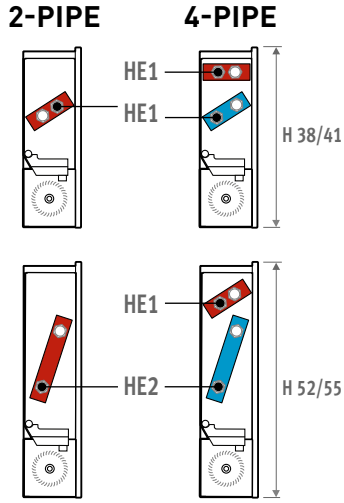
## VERTIGA



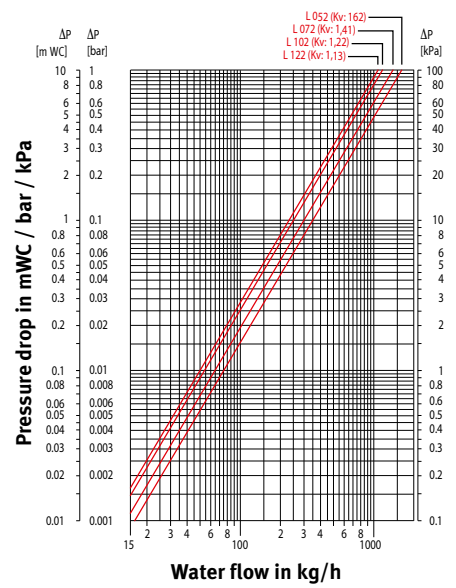


# PRESSURE DROP

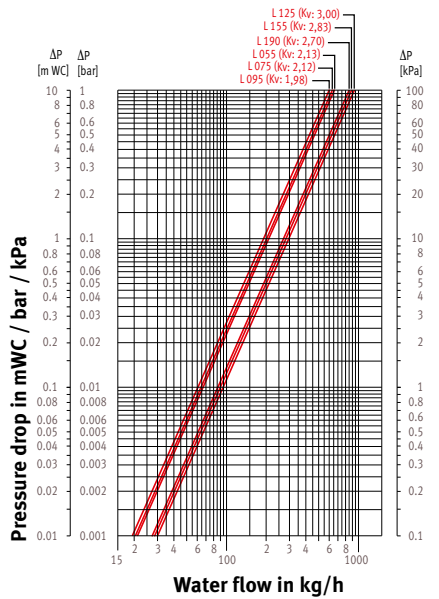
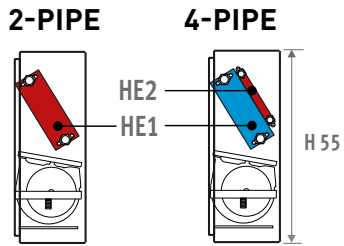
**BRIZA 12  
HEAT EXCHANGER HE1**



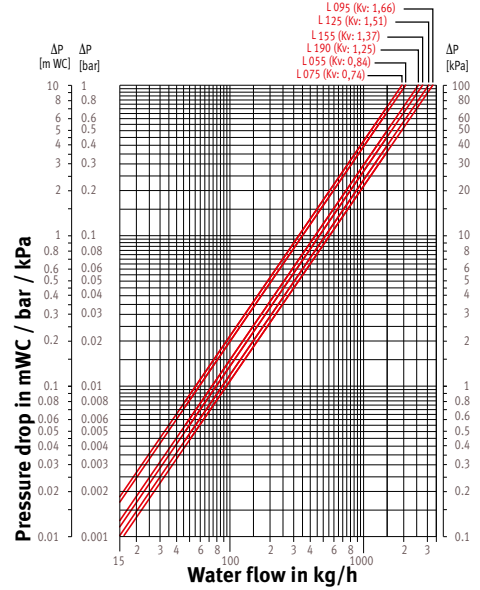
**BRIZA 12  
HEAT EXCHANGER HE2**



**BRIZA 22  
HEAT EXCHANGER HE1**

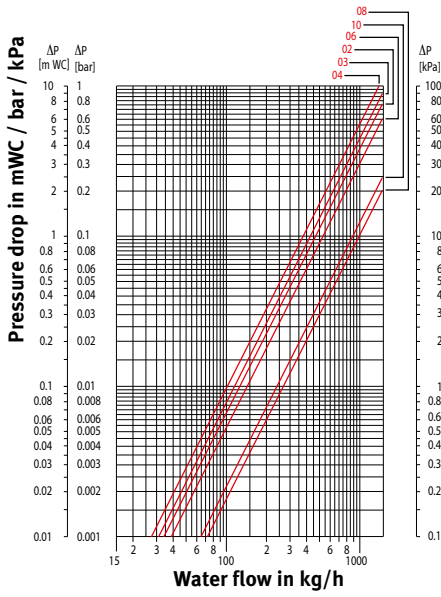


**BRIZA 22  
HEAT EXCHANGER HE2**

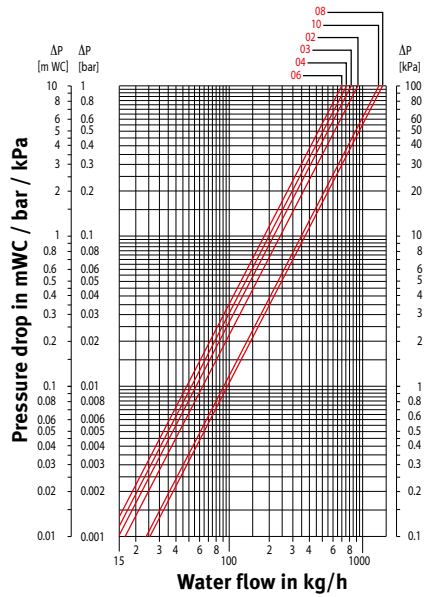


# PRESSURE DROP

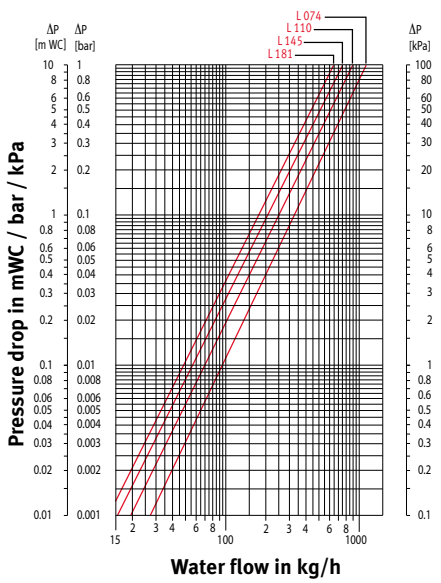
## BRISE STANDARD HEAT EXCHANGER



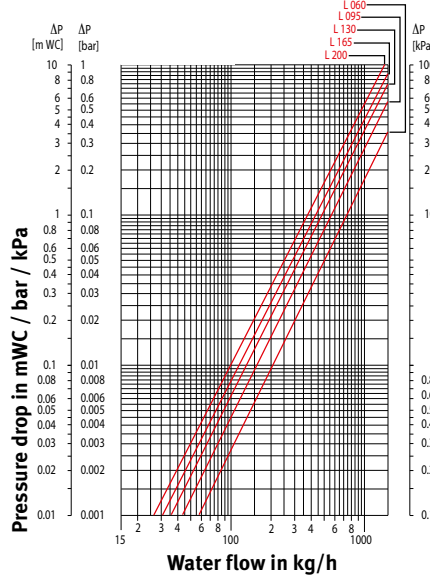
## BRISE 2° HEAT EXCHANGER B4



## FREEDOM CLIMA

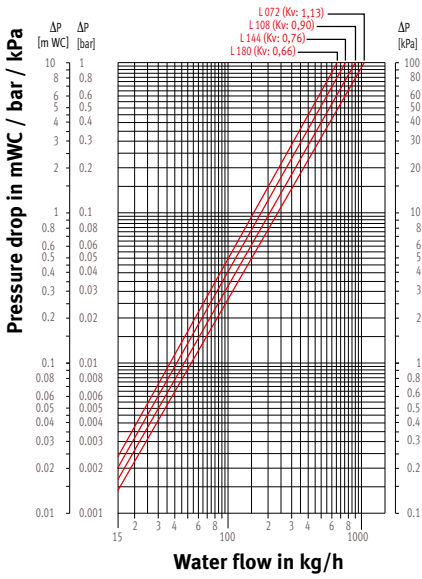


## MICRO CANAL

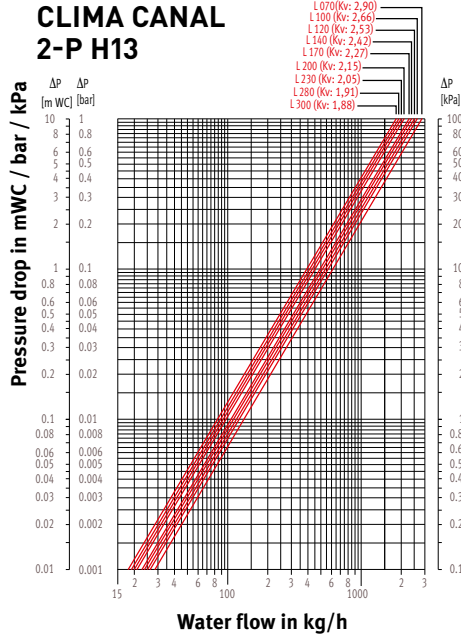


# PRESSURE DROP

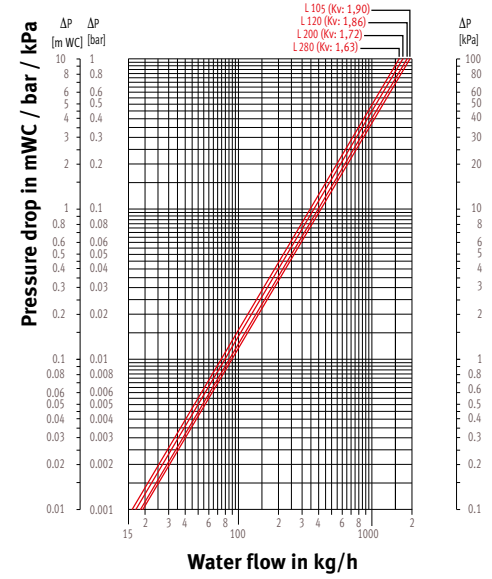
**CLIMA CANAL  
2-P H10**



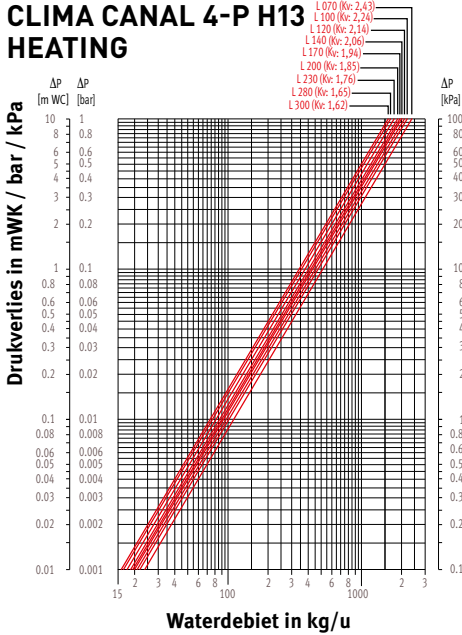
**CLIMA CANAL  
2-P H13**



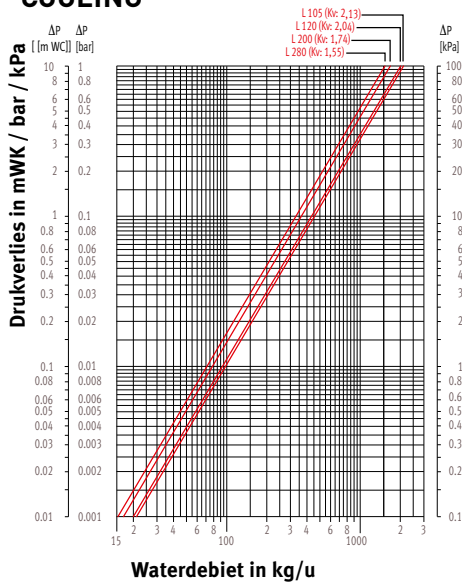
**CLIMA CANAL  
2-P H19**



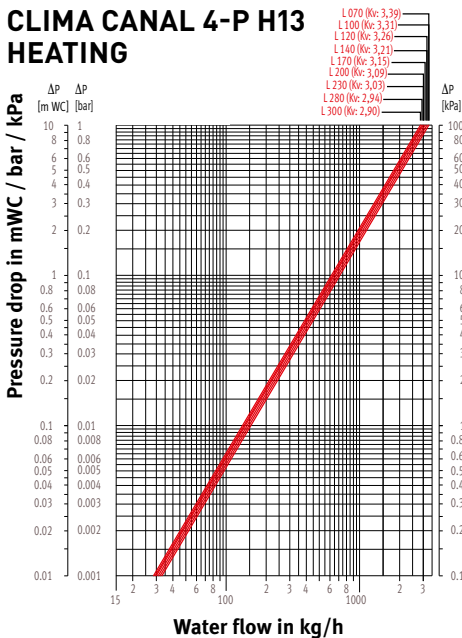
**CLIMA CANAL 4-P H13  
HEATING**



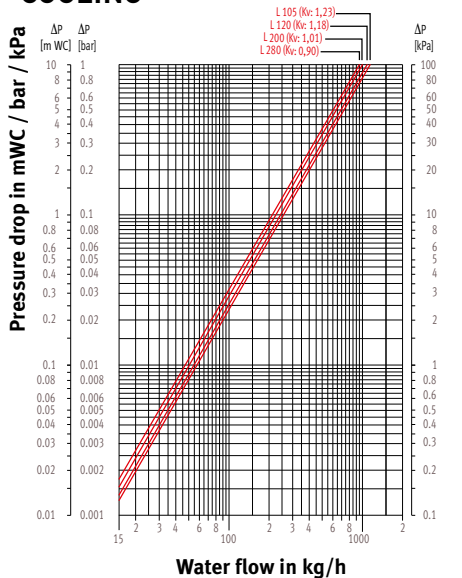
**CLIMA CANAL 4-P H19  
COOLING**



**CLIMA CANAL 4-P H13  
HEATING**



**CLIMA CANAL 4-P H19  
COOLING**



# WEIGHT IN KG/METER

## STRADA WALL MOUNTED MODEL

H	T	06	10	11	15	16	20	21
020	6.7	7.5	---	9.4	---	11.4	---	---
035	9.0	9.8	11.2	11.9	14.2	14.0	16.7	---
050	11.1	12.0	13.5	14.4	16.7	16.7	19.5	---
065	13.3	14.3	15.8	16.9	19.2	19.4	22.1	---
095	17.5	18.9	20.4	21.8	24.1	24.8	27.5	---

## LINEA PLUS WALL MOUNTED MODEL

H	T	10	11	15	16	20	21
020	5.9	---	7.0	---	8.2	---	---
035	8.2	9.7	9.5	12.0	11.0	14.3	---
050	10.6	12.1	12.1	14.6	13.8	17.1	---
065	13.0	14.4	14.7	17.2	16.7	19.9	---
095	15.4	19.1	17.0	22.4	18.8	25.6	---

## TEMPO WALL MOUNTED MODEL

H	T	10	11	15	16	20	21
020	5.4	---	6.7	---	8.3	---	---
030	6.6	8.2	8.1	10.8	9.8	13.4	---
040	7.8	9.4	9.5	12.2	11.3	14.9	---
050	9.0	10.7	10.8	13.6	12.9	16.4	---
060	10.3	11.9	12.2	14.9	14.4	17.9	---
070	11.5	13.1	13.6	16.3	15.9	19.4	---

## KNOCKONWOOD WALL MOUNTED MODEL

H	T	06	10	11	15	16
030	8.3	7.8	9.9	8.9	12.2	---
055	12.3	12.0	13.6	14.1	19.7	---
080	17.4	16.9	18.6	18.6	21.1	---

## PLAY WALL MOUNTED MODEL

H	T	10	11	15	16	20	21
035	14.2	15.6	16.9	19.4	19.7	22.6	---
050	16.4	17.8	19.4	21.9	22.5	25.4	---
065	15.3	16.7	18.8	21.3	22.3	25.2	---

## INSTALLATION INTO A WALL RECESS

H	T	10	11	15	16	20	21
020	3.9	---	5.1	---	6.2	---	---
030	4.9	6.5	6.1	8.7	7.3	10.3	---
040	5.9	7.5	7.2	9.7	8.5	11.4	---
050	6.9	8.5	8.2	10.8	9.6	12.6	---

## TEMPO FREESTANDING MODEL

H	T	10	11	15	16	20	21
020	8.2	---	9.7	---	11.2	---	---
030	10.2	11.9	11.8	14.7	13.5	17.1	---
040	12.2	13.9	14.0	16.9	15.7	19.4	---
050	14.2	15.9	16.1	19.0	18.0	21.7	---

## KNOCKONWOOD FREESTANDING MODEL

H	L	110	130	170	210
021	18.0	21.0	24.0	27.0	---

## MINI WALL MOUNTED & FREESTANDING MODEL

H	T	05	06	09	10	11	14	15	16	19	20	21
008	---	---	5.2	---	---	6.1	---	---	7.0	---	---	---
013	5.6	---	---	7.1	---	---	8.43	---	---	9.7	---	---
023	---	8.5	---	---	10.2	---	---	12.8	---	---	16.1	---
028	---	10.8	---	---	13.6	---	16.8	---	---	---	19.5	---

## MINI FREESTANDING HYBRID

H	T	11	16
028	21.0	25.0	---

## MINI CANAL

H	B	14	18	26	34	42
009	4.60	5.01	5.80	7.05	8.29	---
011	5.00	5.42	6.24	7.52	8.80	---
014	5.70	---	7.77	9.51	11.28	---
019	---	---	9.25	11.06	12.89	---

## MINI CANAL HYBRID

H	B	26	34	42
014	12.65	15.30	18.05	---

Average weight in kg/meter for Mini Canal, including frame and heat exchanger.

## GRILLES MINI CANAL & MINI CANAL HYBRID

Finish	Width				
	12.8	16.8	24.8	32.8	40.8
	<b>Width duct</b>				
	14.0	18.0	26.0	34.0	42.0
- Roll-up Designo merbau/merbau varnished	2.18	3.00	3.52	3.98	4.67
- Roll-up Designo oak/oak varnished	1.59	2.03	2.69	3.34	3.90
- Roll-up Designo beech/beech varnished	1.50	1.90	2.50	3.10	3.60
- Roll-up merbau/merbau varnished	2.15	2.70	3.03	3.35	4.05
- Roll-up oak/oak varnished	1.48	1.71	2.15	2.61	3.12
- Roll-up beech/beech varnished	1.40	1.60	2.00	2.42	2.88
- Roll-up alu natural/black/brown/brass	1.21	1.38	2.07	2.76	3.45
- Roll-up stainless steel	2.18	2.86	4.22	5.58	6.94
- Rigid Designo alu natural/black/brown/brass/lacquered	1.60	2.10	3.20	4.10	5.00
- Rigid alu natural/black/brown/brass/lacquered	1.55	2.20	2.50	3.15	3.75



Weight and water content without packaging or options

# WATER CONTENT IN LITRES

## WATER CONTENT HEAT EXCHANGER (IN LITRES/METRE)

Type	L/metre
04 D	0.16
05	0.32
06	0.64
07	0.51
08	0.63
09	0.32
09 D	0.31
10	0.65
11	1.33
14	0.48
14 D	0.47
15	0.98
16	1.98
19	0.63
19 D	0.66
20	1.32
21	2.66

07 = Strada type 06, height 20  
 08 = Strada type 06, all other heights  
 D = Opposite end connection

## MINI CANAL WATER CONTENT (IN LITRES/METRE)

H	B 14	18	26	34	42
009	0.16	0.32	0.32	0.48	0.66
011	0.16	0.32	0.32	0.48	0.66
014	0.32	---	0.65	0.98	1.32
019	---	---	0.65	0.98	1.32

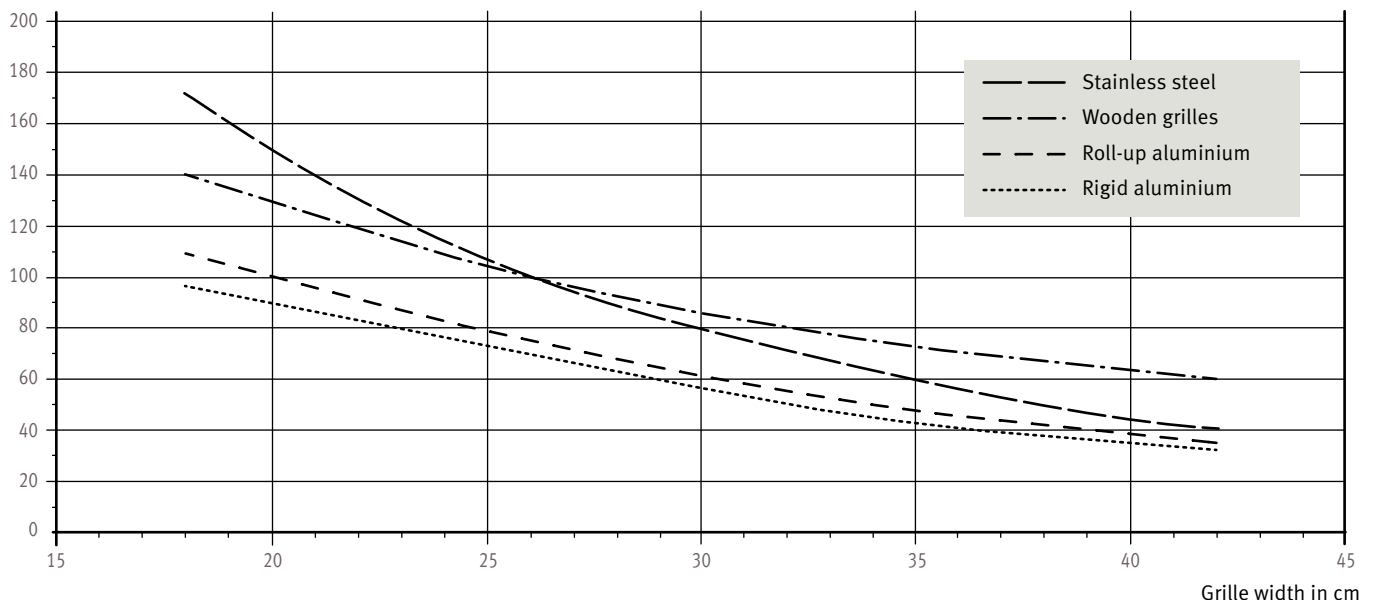
## MINI CANAL HYBRID WATER CONTENT IN LITRES

L	B 26	34	42
110	0.63	0.95	1.27
130	0.76	1.14	1.52
150	0.89	1.34	1.78
170	1.02	1.53	2.04
190	1.15	1.72	2.29
210	1.28	1.92	2.56
230	1.4	2.11	2.81
250	1.53	2.3	3.06
270	1.66	2.5	3.33
290	1.79	2.69	3.58
310	1.92	2.88	3.84

# MAXIMUM GRILLE LOADINGS

- Roll-up wood and aluminium grille: concentrated load in kg in the centre of the grille up to 2 mm deflection.
- Rigid grilles: concentrated load in the centre of the transverse section up to 2 mm deflection.

Concentrated load in kg



# WEIGHT

## PANEL PLUS HORIZONTAL - Kg/cm

H	P11	P22	P34
012	0.062	0.113	0.193
018	0.087	0.162	0.276
024	0.105	0.196	0.359
031	0.130	0.245	0.422
037	0.156	0.294	--
043	0.181	0.343	--
050	0.206	0.392	--
056	0.231	0.440	--
062	0.257	0.489	--
069	0.274	0.523	--
075	0.292	0.557	--
081	0.310	0.591	--
087	0.328	0.625	--
094	0.346	0.659	--

## HEATWAVE

Model	OS	OM	OL	XL
	12.0	24.0	48.0	60.0

## VERTIGA

	T 08			T 12		
	L	041	052	065	053	070
Primo	32.5	37.9	43.4	42.2	50.6	58.0

## IGUANA CIRCO WALL

L	H	180	192	200	220	240
027	28.7	30.4	31.6	34.5	37.7	
031	33.8	35.9	37.3	40.8	44.4	
034	39.0	41.4	43.0	47.0	51.3	

## IGUANA APLANO

L	H	180	192	200	220	240
030	28.5	30.2	31.4	34.4	37.5	
041	38.8	41.2	42.8	46.8	51.1	
052	49.1	52.2	54.2	59.3	64.7	
063	59.5	63.2	65.6	71.8	78.3	
074	69.8	74.1	77.0	84.2	92.0	
085	80.1	85.1	88.4	96.7	105.6	

## IGUANA ARCO

L	H	180	192	200	220	240
029	29.0	30.7	31.9	34.9	38.1	
041	39.5	41.9	43.5	47.5	51.9	
051	50.1	53.2	55.2	60.3	65.8	
062	60.5	64.2	66.7	72.8	79.5	
073	71.1	75.4	78.3	85.5	93.4	
083	81.6	86.6	89.9	98.2	107.2	

## IGUANA VISIO

L	H	180	192	200	220	240
051	28.7	30.4	31a.6	34.5	37.7	
062	33.8	35.9	37.3	40.8	44.4	
073	39.0	41.4	43.0	47.0	51.3	

## IGUANA CIRCO CORNER

L	H	125	150	180	192	200	220	240
027	25.0	29.4	34.6	36.7	38.1	41.6	45.4	

## IGUANA ANGULA

L	H	180	192	200	220	240
040	57.7	61.0	63.4	69.2	75.3	
046	68.3	72.3	75.1	81.9	89.3	
051	78.9	83.5	86.8	94.7	103.2	

## TETRA

L	H	180	200
033	25.1	27.8	
041	30.5	33.8	
050	35.9	39.8	
058	41.4	45.8	
067	46.8	51.8	

## PANEL PLUS VERTICAL - Kg/cm

H	180	200	220	240	260	280	300
0.613	0.675	0.737	0.800	0.862	0.924	1.986	

## DECO SPACE - Kg/cm

	H	180	192	200	220	240	260
Single	0.74	0.79	0.82	0.89	0.97	1.04	
Double	1.46	1.55	1.61	1.76	1.91	2.06	

## SANI RONDA

L	H	063	093	122	137	175	205
040	4.5	7.5	10.0	11.5	14.3	16.2	
050	5.4	8.6	11.6	12.8	16.7	19.7	
060	6.1	9.7	13.3	14.6	19.0	22.5	
070	6.8	10.9	14.9	16.5	21.4	25.4	
080	7.5	12.1	16.6	18.4	23.8	28.2	
100	9.0	14.5	19.9	22.9	28.5	33.9	

## SANI BASIC

L	H	094	132	170	198
050	7.7	10.8	13.9	--	
060	8.9	12.4	16.0	18.9	
075	10.6	14.9	19.1	22.6	



Weight and water content without packaging or options

# WATER CONTENT IN LITRES

## PANEL PLUS HORIZONTAL - Liter/cm

H	P11	P22	P34
012	0.014	0.021	0.034
018	0.021	0.032	0.052
024	0.024	0.044	0.051
031	0.030	0.055	0.064
037	0.036	0.066	--
043	0.042	0.078	--
050	0.048	0.089	--
056	0.054	0.100	--
062	0.060	0.111	--
069	0.066	0.122	--
075	0.072	0.133	--
081	0.078	0.145	--
087	0.084	0.156	--
094	0.090	0.167	--

## HEATWAVE

Model	OS	OM	OL	XL
	0.40	0.78	1.57	2.36

## VERTIGA

	T 08			T 12		
	L 041	052	065	053	070	080
Primo	1.4	1.4	1.4	2.4	2.4	2.4

## IGUANA CIRCO WALL

L	H 180	192	200	220	240
027	9.6	10.2	10.6	11.7	12.8
031	11.3	12.1	12.6	13.8	15.1
034	13.1	13.9	14.5	16.0	17.4

## IGUANA APLANO

L	H 180	192	200	220	240
030	9.6	10.2	10.6	11.7	12.8
041	13.1	13.9	14.5	16.0	17.4
052	16.6	17.7	18.4	20.2	22.1
063	20.0	21.4	22.3	24.5	26.7
074	23.5	25.1	26.1	28.8	31.4
085	27.0	28.8	30.0	33.0	36.0

## IGUANA ARCO

L	H 180	192	200	220	240
029	9.6	10.2	10.6	11.7	12.8
041	13.1	13.9	14.5	16.0	17.4
051	16.6	17.7	18.4	20.2	22.1
062	20.0	21.4	22.3	24.5	26.7
073	23.5	25.1	26.1	28.8	31.4
083	27.0	28.8	30.0	33.0	36.0

## IGUANA VISIO

L	H 180	192	200	220	240
051	10.2	10.8	11.2	12.3	13.4
062	12.0	12.8	13.3	14.6	15.8
073	13.9	14.8	15.4	16.8	18.3

## IGUANA CIRCO CORNER

L	H 125	150	180	192	200	220	240
027	8.6	10.2	12.0	12.8	13.3	14.6	15.8

## IGUANA ANGULA

L	H 180	192	200	220	240
040	19.4	20.7	20.7	22.7	24.8
046	21.8	23.3	24.3	26.6	29.1
051	24.9	26.7	27.8	30.5	33.4

## TETRA

L	H 180	200
033	15.10	24.10
041	18.80	30.10
050	22.60	36.10
058	26.40	42.10
067	30.10	48.10

## PANEL PLUS VERTICAL - Liter/cm

H 180	200	220	240	260	280	300
0.139	0.152	0.164	0.176	0.188	0.201	0.213

## DECO SPACE - Liter/cm

	H 180	192	200	220	240	260
Single	0.21	0.23	0.24	0.26	0.28	0.30
Double	0.43	0.45	0.47	0.51	0.55	0.59

## SANI RONDA

L	H 063	093	122	137	175	205
040	2.4	4.0	5.7	6.5	8.3	10.0
050	2.7	4.6	6.5	7.5	7.5	11.4
060	3.1	5.2	7.3	8.4	10.7	12.8
070	3.5	5.8	8.2	9.4	11.9	14.3
080	3.8	6.4	9.0	10.3	13.1	15.7
100	4.2	7.0	9.9	11.3	14.3	17.1

## SANI BASIC

L	H 094	132	170	198
050	3.7	5.2	6.7	--
060	4.2	5.9	7.6	9.0
075	4.9	6.9	8.9	10.6



Weight and water content without packaging or options

# WEIGHT IN KG/METER

# WATER CONTENT IN LITRES

BRIZA								
L	With casing				Built-in			
	H 041		H 055		H 038		H 052	
	2-pipe	4-pipe	2-pipe	4-pipe	2-pipe	4-pipe	2-pipe	4-pipe
052/075	16.0	17.0	18.0	19.0	7.0	8.0	8.0	9.0
072/095	20.3	21.3	23.0	24.0	9.0	10.0	10.0	11.0
102/125	27.5	29.0	30.0	31.5	13.0	14.5	14.0	15.5
122/145	31.9	33.9	34.0	36.0	14.0	16.0	15.0	17.0

BRIZA 22		
L	H 055	
	2-pipe	4-pipe
055	17.0	18.0
075	21.5	22.8
095	27.0	28.6
125	35.5	37.5
155	44.0	46.2

BRISE							
	Type	02	03	04	06	08	10
BRIW		18	19	24	26	38	50
BRIC		18	19	24	26	38	50
BRBW		14	14.5	15	20.5	33	43.5
BRBC		14.5	15	20	22	33	43.5
Second heat exchanger B4							
		1.4	2.0	2.0	2.6	2.8	

FREEDOM CLIMA	
L	
074	11.5
110	16.7
145	20.7
181	26.7

MICRO CANAL	
L	
060	6.7
095	10.0
130	13.5
165	17.0
200	20.4

CLIMA CANAL 2-pipe				
	H 008	010	013	019
070	-	-	14.4	-
072	6.4	7.8	-	-
100	-	-	21.6	-
105	-	-	-	25.0
108	10.1	12.5	-	-
120	-	-	26.5	28.5
140	-	-	31.5	-
144	14.4	17.9	-	-
170	-	-	38.6	-
180	18.8	23.9	-	-
200	-	-	45.8	49.9
230	-	-	52.9	-
280	-	-	65.0	70.9

CLIMA CANAL 4-pipe				
	H 008	010	013	019
070	-	-	14.4	-
072	-	-	-	-
100	-	-	21.6	-
105	-	-	-	25.0
108	-	-	-	-
120	-	-	26.5	28.5
140	-	-	31.5	-
144	-	-	-	-
170	-	-	38.6	-
180	-	-	-	-
200	-	-	45.8	49.9
230	-	-	52.9	-
280	-	-	65.0	70.9

BRIZA				
L	H 038 / 041		H 052 / 055	
	2-pipe	4-pipe	2-pipe	4-pipe
	052/072	0.166	0.332	0.332
072/092	0.270	0.540	0.540	0.810
105/125	0.433	0.866	0.866	1.299
125/145	0.539	1.078	1.078	1.617

BRIZA 22		
L	H 055	
	2-pipe	4-pipe
055	1.23	0.31
075	1.77	0.42
095	2.23	0.53
125	3.14	0.69
155	4.05	0.85


BRISE							
	Type	02	03	04	06	08	10
Standard heat exchanger							
		0.66	0.86	1.34	1.96	3.75	4.03
Second heat exchanger B4							
		0.21	0.27	0.44	0.65	1.24	1.34


FREEDOM CLIMA	
L	
074	0.12
110	0.28
145	0.44
181	0.60

MICRO CANAL	
L	
060	0.089
095	0.178
130	0.267
165	0.356
200	0.445

CLIMA CANAL 2-pipe				
	H 008	010	013	019
070	-	-	0.60	-
072	0.120	0.120	-	-
100	-	-	0.98	-
105	-	-	-	1.07
108	0.279	0.279	-	-
120	-	-	1.23	1.26
140	-	-	1.48	-
144	0.439	0.439	-	-
170	-	-	1.86	-
180	0.598	0.598	-	-
200	-	-	2.24	2.26
230	-	-	2.61	-
280	-	-	3.24	3.27

CLIMA CANAL 4-pipe				
	H 008	010	013	019
070	-	-	0.60	-
072	-	-	-	-
100	-	-	0.98	-
105	-	-	-	1.07
108	-	-	-	-
120	-	-	1.23	1.26
140	-	-	1.48	-
144	-	-	-	-
170	-	-	1.86	-
180	-	-	-	-
200	-	-	2.24	2.26
230	-	-	2.61	-
280	-	-	3.24	3.27

 Weight and water content without packaging or options

 Weight and water content without packaging or options

Additional technical specifications: see [www.jaga.com](http://www.jaga.com)

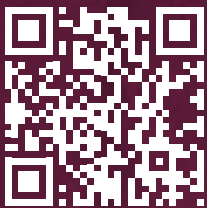


## RECOMMENDED MAXIMUM WATER FLOW DEPENDING ON THE PIPE DIAMETER AT A MAX. WATER FLOW OF 0.4 M / S

Tube	Outer Ø	Wall thickness	Maximum flow	Maximum power at ΔT (° C) (T supply - T return))				
				ΔT 2	ΔT 5	ΔT 10	ΔT 20	ΔT 30
				Watts	Watts	Watts	Watts	Watts
10/1	10.0	1.0	72	168	421	841	1682	2524
12/1	12.0	1.0	113	263	657	1314	2629	3943
12/2	12.0	2.0	72	168	421	841	1682	2524
14/1	14.0	1.0	163	379	946	1893	3785	5678
14/2	14.0	2.0	113	263	657	1314	2629	3943
15/1	15.0	1.0	191	444	1111	2221	4443	6664
16/1	16.0	1.0	222	515	1288	2576	5152	7729
16/1.5	16.0	1.5	191	444	1111	2221	4443	6664
16/2	16.0	2.0	163	379	946	1893	3785	5678
16/2.2	16.0	2.2	152	354	884	1769	3537	5306
17/2	17.0	2.0	191	444	1111	2221	4443	6664
3/8"	17.1	3.2	129	301	752	1505	3010	4515
18/1	18.0	1.0	289	673	1682	3365	6730	10095
18/2	18.0	2.0	222	515	1288	2576	5152	7729
20/2	20.0	2.0	289	673	1682	3365	6730	10095
1/2"	21.3	3.7	217	504	1259	2518	5035	7553
26/3	26.0	3.0	452	1052	2629	5258	10515	15773

**jaga**

CLIMATE DESIGNERS



More products or info  
see [www.jaga.com](http://www.jaga.com)

# PROJECTS

## WE DESIGN TO MEASURE.

Jaga designs the most energy-efficient and aesthetic solutions for heating, cooling and ventilation. Perfectly integrated solutions according to the wishes of the architect and the client and according to your project's needs and specifications. This way we can ensure that you do not have to limit your creativity due to the HVAC requirements. In the Jaga Experience Lab, a unique EN 442 and EN 16430 certified climate laboratory, we can simulate and test any customized solution and climate situation at an outside temperature of up to -30°C. By doing so we are certain that our custom work actually works!

## THE MOST ECOLOGICAL SYSTEMS

Jaga is a pioneer in ecological Low-H<sub>2</sub>O coils for low water temperatures and dynamic systems. This both for heating and for passive and active cooling systems. Jaga has already been able to contribute to numerous leading ecological BREEAM, LEED or DGNB certified buildings.

Our solutions can also be an important building block in your pursuit of a better environmental score

## FOR EVERY BUILDING

Jaga's project solutions can be found in the tallest and largest buildings in the world, but also in a small school or a residential complex. Jaga is a specialist in compact systems for every building where the climate is one of the top priorities

## PROJECTS • COMMERCIAL



Poste du Louvre - France - Clima Canal



Roots - Belgium - Installation in a wall recess



Willis Tower - USA - Clima Canal



The Grand Mark Hotel - Czech Republic - Strada



Höfdatorg - Iceland - Clima Canal



BMW Langley - Canada - Mini Canal



Nike Distributiecentrum - Belgium - AVS Unit heater

## PROJECTS • HEALTHCARE



Blood Center - Poland - Strada



WZC Vinkenbosch - Belgium - Strada & Oxygen



AZ Groeninge - Belgium - Installation in a wall recess



UZ Leuven - Belgium - Strada



WZC Clarenhof - Belgium - Mini Canal



Royal Hospital - United Kingdom - Tempo DBE



Kinderpsychiatrisch Centrum - Belgium - Mini Canal DBE

## PROJECTS • OFFICES



De Rotterdam - The Netherlands - Mini Canal



KPMG Headquarters Luxembourg - Mini Canal



Flame Towers - Azerbaijan - Mini Canal



Rivergate - Austria - Linea Plus Vrijstaand



Axel Springer - Germany - Mini Canal Pro



Thyssen Krupp - Germany - Mini Canal



The Bridge - The Netherlands - Mini Canal

# PROJECTS • OFFICES



Tour Eqho - France - Clima Canal



Bonner Bogen - Germany - Clima Canal 4-pipe



Sky Tower - Romania - Mini Canal Special & Tempo



AGC Glass Europe - Belgium - Clima Canal



Facebook Park Tower - USA - Briza



Statoil HQ - Norway - Mini Canal



Kungsbrohuset - Sweden - Mini Freestanding & Strada

## PROJECTS • PUBLIC SPACE



NAC Hasselt - Belgium - Briza Special



Opera House - Norway - Mini Canal



Atomium - Belgium - Iguana



Gerechtsgebouw De Hazelaar - Belgium - Tempo Sur pieds



Université de Jussieu - France - Clima Canal



Provinciehuis Antwerpen - Belgium - Mini Canal



University of Washington - USA - Installation in a wall recess



# PROJECTS • RESIDENTIAL



Zilart - Russia - Mini Canal



Les jardins de la Source - Belgium - Strada



The 7 - Germany - Clima Canal



Private residence - Italy - Briza



Skypark - Slovakia - Mini Canal



V-Tower - Czech Republic - Mini Freestanding & Strada



Madison Apartments - Poland - Clima Canal



**jaga** CLIMATE DESIGNERS



More products or info  
see [www.jaga.com](http://www.jaga.com)

A close-up photograph of a lavender field. The flowers are in various stages of bloom, with some showing vibrant purple and others as buds. A bee is captured in flight on the left side of the frame. The background is softly blurred, creating a sense of depth. The overall color palette is dominated by shades of purple and green.

HOW WE BECAME  
CLIMATE DESIGNERS

TABOE

The first radiator with collectors in the centre opened up a whole new spectrum of designs and applications. Invented by Jaga, copied by many!

BIRTH OF JAGA

Jan and Gaston Kriekels, central heating installers, started developing their own radiators out of a dissatisfaction with existing solutions.

DECO HEATERS

A new type of vertical radiators sees the light. The radiator was launched with an artistic photo shoot in the caves of Kanne.

LINEA PLUS

Linea Plus introduces a new design in the world of radiators. With a flat front panel and innovative perforated top

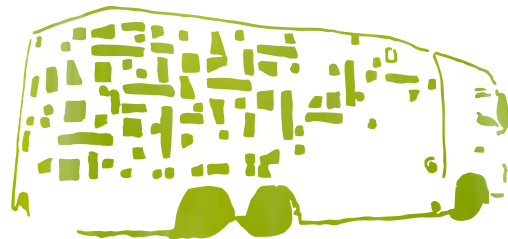
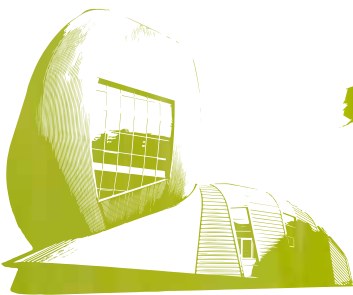
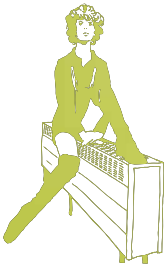
IGUANA

Launch of Jaga's most successful Deco radiators. Frequent winner of design awards. Based on a child's drawing of a radiant sun.

FRANK GEHRY BUILDING

Jaga opens PPC: renewed Product Presentation centre in the Frank Gehry buildings in Düsseldorf.

1962 1985 1987 1989 1998 2003



2007 2007 2009 2010

LIVING TOMORROW

Jaga selected as a partner for the home of the future, both in Vilvoorde as well as in Amsterdam.

JAGA PRODUCT DAYS

Partners from 24 countries collaborate in thinking about Jaga products for the future.

JAGA WORLD TOUR EXPERIENCE TRUCK

Presentation of Jaga values and climate solutions. In 2011, Jaga had already covered 42 countries across different continents.

RUBBISH

Jaga's rubbish exhibition made from production waste. Waste upgraded to a functional, modular and aesthetic exhibition system, still in use in 2012!

**"JAGA HAS A CULTURE THAT DOES NOT SEEK STOCK EXCHANGE LISTINGS OR SHORT-TERM PROFIT, BUT PLACES FAIR TRADE AND ECOLOGY AT THE TOP OF ITS LIST."**

**HEATWAVE**

Playful curves out of a concrete shell. Designed by Jaga & Joris Laarman.

**THE CHOCOLATE EXPERIENCE**

Heatwave launch with chocolate heaters at the design fair in Milan 2007.

**DYNAMIC BOOST EFFECT**

Dynamic Boost Effect doubles the heat output. Less radiator, more heat. DBE party to launch this low water-temperature radiator.

**JAGA EXPERIENCE LAB**

A unique climate laboratory for open innovation starts to operate. A knowledge centre and test laboratory where everyone is welcome.

**BURNING MAN**

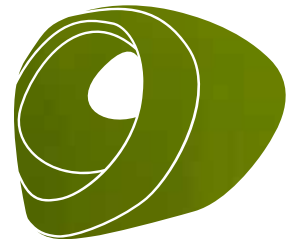
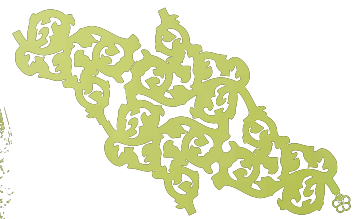
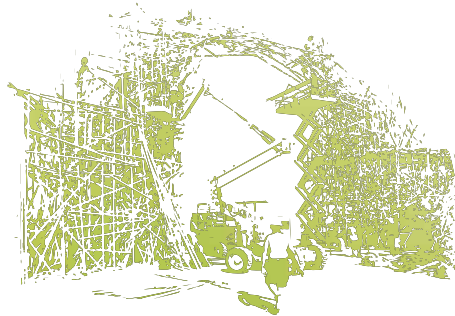
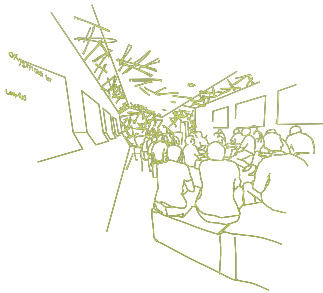
The Uchronia Community builds the greatest work of art ever at the Burning Man Art Festival in the Nevada desert.

**2005**

**2005**

**2006**

**2007**



**2011**

**2011**

**2018**

**FUTURE**

**VERTIGA**

Vertiga is the first combination of Energy Savers, Eyecatchers and Top Performers. A brand new design heater for extremely low water temperatures.

**WORLD CREATIVITY FORUM**

From rubbish to eco design. Heat-exchanger trees made from recovered aluminium symbolise the new life of this material.

**AMAZON SPHERES**

Jaga elected as climate partner for the Amazon spheres.

**MOBY**

Modular Oxygen Bubble. Climate and multimedia cabin. A comfort zone as protection against air and noise pollution.

# GUARANTEE

- The guarantee is valid only if the equipment is properly and correctly used, by its first owner and if installed in accordance with the norms and instructions as stipulated in the instruction leaflet and the current practices.
- The guarantee only applies to the equipment and the spare parts. Jaga has the choice between repair and replacement of the equipment or the spare parts. If there has been a change in the model, Jaga is authorised to replace the guaranteed equipment with an equivalent equipment or equivalent spare parts. In those cases where the guarantee claim is accepted, during the first six months after the start of the guarantee, Jaga gives an extra guarantee on agreed replacement and transport costs.
- The period of guarantee is mentioned in this certificate. A repair or replacement does not change anything to the original period of guarantee.
- No guarantee is granted on equipment or spare parts lacking information concerning type or series, or on equipment where this information has been removed or altered, or on equipment that has been repaired or modified by persons not authorized by Jaga.
- The customer is responsible for the damage in the cases where the damage is due to errors of placement, fittings, electrical connections, faulty or damaged electrical installations or appliances, erroneous voltage or hydraulic pressure and all other errors not related to the product delivered by Jaga. The guarantee is also revoked when non-suited parts are applied. The guarantee for our heat exchangers is not valid if they are emptied at set times or during a certain period, or if they are heated by means of industrial water, steam or water saturated by great quantities of oxygen. The quality of the system water has to be in accordance with the VDI 2035-2 directives. The buyer will make every effort to prevent damage to the device by avoiding both dust and moisture. This means that the customer has to cover the device in case of further construction works in order to ensure that the devices remain dust-free. The guarantee is also revoked when the heat exchangers are placed in aggressive atmospheric surroundings (ammonia, caustic substances). Lacquered radiators should not be used in the following areas: above a bath with a built-in shower unit, in a shower cubical or next to it, in a swimming pool (chlorine) or in a sauna
- Jaga does not give a guarantee on faulty equipment due to incorrect handling and/or use of the equipment, the dropping of the equipment or the transport without the necessary precautions, or for all equipment that is built in, in a way that it cannot be reached normally.
- In all cases where the guarantee is granted but where the intervention occurs later than 6 months after the start of the guarantee, and in all other cases, labour and transportation costs are calculated according to scales set by Jaga. Customers can get information on those scales either from our sales administration personnel, or from the maintenance engineer.
- All interventions not covered by the guarantee have to be paid in cash to the maintenance engineer.
- The guarantee starts on the date of the invoice. If the invoice is not available, the serial number or the date of production prevails.
- Only the courts of judicial district Hasselt (Belgium) are authorised to deal with disputes arising from this guarantee. It will apply Belgian law even when sales involved are subjects of EU member states as well as non-EU member countries.



## DURATION OF THE WARRANTIES

Type equipment	Low-H <sub>2</sub> O Heat exchanger	Electric spare parts	Other spare parts
Knockonwood / Strada / Linea Plus / Tempo / Mini / Play / Installation in a wall recess / Mini Canal	30 years	---	10 years
Strada Hybrid / Installation in a wall recess Hybrid / Knockonwood DBE / Mini Freestanding Hybrid / Mini Canal Hybrid	30 years	2 years	10 years
DBH unit / Electric element	---	2 years	---
Sani Electric	---	2 years	5 years
Valves for Low-H <sub>2</sub> O heat exchangers / Jaga Deco valves	---	---	3 years
Clima Canal / Micro Canal / Brise / Briza / Vertiga Hybrid/ Freedom Clima	5 years	2 years	10 years
AVS Unit heater	5 years	2 years	5 years
Iguana / Sani Basic / Deco Space / Panel Plus / Tetra / Heatwave	---	---	10 years
Towel rail	---	---	5 years

# CONDITIONS OF SALE

## General

All quotations, order confirmations, purchase orders, invoices and other documents issued by Jaga N.V. and agreements entered into with Jaga N.V. shall be subject to these General Terms and Conditions of Sales and Delivery.

These can be found on the Jaga N.V. website: [www.jaga.com](http://www.jaga.com).

The customer shall be deemed to have accepted the present General Terms and Conditions of Sales and Delivery by the mere fact of placing his order. General Terms and Conditions of the customer, under whatever name known, that deviate from these General Terms and Conditions of Sales and Delivery of Jaga N.V., shall not be applicable and cannot be used against Jaga N.V., unless Jaga N.V. has expressly accepted the same in writing prior to entering into any contract.

Subjects that have not been described in these terms and conditions shall be governed by generally accepted rules of Belgian law.

## Orders

An order shall only be deemed to have been accepted if confirmed by Jaga N.V. by letter, fax or e-mail or any other form.

The order confirmation shall determine the content of the agreement between the parties, unless the customer notifies inaccuracies if any in the same within 24 hours after receipt of the order confirmation, and implements corrections in the same. This also applies with respect to the acceptance of the present General Terms and Conditions of Sales. The order confirmation thus corrected and returned by Jaga N.V. shall then determine the content of the agreement between the parties.

Once an order has been accepted by us it cannot be cancelled without our written approval. Deals made are personal and may only be transferred by mutual agreement. The customer may only modify or cancel an order of a standard item provided the buyer accepts all the costs arising from this modification/cancellation.

Sums between 10% and 100% of the value of the goods will be charged in addition to the normal price for all goods cancelled. An order placed by the customer for custom work or a nonstandard colour cannot be cancelled or modified.

## Delivery times

Delivery times given are indicative. Unless otherwise agreed in writing, Jaga N.V. may not be held responsible or found guilty of breach of contract if there is a delay in delivery. Nor may Jaga N.V. be held liable if it is unable to fulfil its obligations in respect of the delivery of goods or services if the non-delivery is the result of circumstances beyond the direct control of Jaga N.V. Wars, strikes, lockouts, bad weather and all causes which prevent the receipt of raw materials, fuels and other energy or hinder the normal production or shipment of goods and in general all causes beyond our control will be considered at least, although not exclusively, as force majeure and shall discharge Jaga N.V. from any liability, even if it was agreed that the delivery times are binding. These circumstances may not be invoked by the buyer in order to claim compensation. In all these cases Jaga N.V. reserves the right to postpone delivery or even to terminate the contract.

## The price

Unless stated otherwise, all our prices exclude VAT. The products shall be invoiced at prices and exchange rates, as stated and accepted in the order confirmation, together with transportation costs if applicable (see below).

## The payment

The invoices are payable 50% before production and 50% before shipment, without any deduction of discount, unless otherwise stated in writing on the invoice. When the goods are delivered in two or more parts, then each one will be invoiced separately and

has to be paid separately. From their due date all unpaid invoices will be increased, by law and without formal notice, by an interest based on the reference interest increased with an additional 7 percent and rounded-up to the nearest half a percentage point (art. 5, Act 02/08/2002). In addition, all unpaid invoices will be increased, by law and without formal notice, by a fixed compensation of 10% of the due amount on the invoice, except when the real collection charges - including the costs for legal assistance - should be higher (art. 6, Act 02/08/2002). The default of payment at the expiry date gives the vendor also the right to cancel the current agreement in total. This is applicable to the goods which still have to be delivered as well as the goods already delivered. No complaint of any kind whatsoever will release the buyer from the obligation to respect the expiry/due dates, even if the complaint has been considered by us and is valid. The buyer binds himself to respect these expiry dates, even in case of complaint.

## Reservation of Title

Title to product supplied by Jaga N.V. will only be transferred to the buyer when the buyer has paid the indebted purchase price in full. The buyer does not have the right to transfer title to the goods, which remain the property of Jaga N.V. until payment in full is received by Jaga N.V., to a third party without the express written permission of the Jaga N.V.

## Product modifications

We reserve the right to modify our products to a limited degree (slight modifications) and at any time after being ordered by the customer in order to bring about improvements that will be to the benefit of the customer. Even in instances of sale by sample, Jaga N.V. is not bound to deliver an absolutely identical model.

## Delivery risk

Notwithstanding the Reservation of Title above, all risks to which goods supplied by Jaga N.V. may be exposed shall be borne by the buyer as soon as the goods have been delivered to him. The goods shall be inspected by Jaga N.V. and/or its agents and placed in transport in perfect condition. Our haulier is responsible for any damage caused during transport and delivery. Notification by the purchaser of any damaged goods must immediately be indicated on the delivery note, or via e-mail to [export@jaga.be](mailto:export@jaga.be), or by fax: +32 11 29 41 60, or by letter to Jaga N.V.'s registered address, within forty-eight hours of delivery. This notification will be deemed to have been received only if acknowledged in writing or by e-mail by Jaga N.V.

## Postponed deliveries

If delivery of any goods is postponed by the purchaser after an order has been received and acknowledged by Jaga N.V., Jaga N.V. reserves the right after a period of three months from the date of the order acknowledgement to invoice in full for the goods ordered by the purchaser, or to cancel the sale agreement. Jaga N.V. retains the right to cancel the sale agreement without formal notice and without prejudice to the right to claim damages and/or interest from the purchaser.

## Complaints

The customer should lodge complaints concerning the invoice and/or the related delivery to Jaga N.V. in writing, within 8 days of the invoice date, or after the delivery. Any complaints relating to hidden defects should be immediately notified in writing to Jaga N.V. after discovery of the same by the customer. Such written notification must be accompanied by the order or invoice number and date, along with a clear description of the complaint, preferably accompanied by photographs.

## Returns

Correctly executed orders may not be returned to Jaga N.V. Returns may only be accepted by prior agree-

ment and with the express written authorisation of our commercial department. When requesting a return, the order or invoice number- and date must always be quoted. Jaga N.V. shall only consider a refund if the goods are returned undamaged, in the original packaging and suitable for re-sale. The seller shall always be entitled to charge transport, handling and administrative costs.

## Warranty

The warranty given by Jaga N.V. differs from product to product. The details and duration of the warranties are given in the various catalogues and on our website: [www.jaga.com](http://www.jaga.com). In the event of an onward sale the buyer undertakes to make our general and specific warranty conditions available to his own customer. In any event the buyer shall agree to protect us from any consequences of claims which may be made against us by his customer and which may exceed the limits of the claims which the buyer himself could have made against us.

The guarantee for radiators shall expire in all instances in which the same are placed in a swimming pool (chlorine smell), a sauna, shower or above a bathtub with shower facility.

## Disputes

The present transaction shall be governed by Belgian law. The courts of the district of Hasselt, Belgium will have the jurisdiction to settle the disputes which could arise in between Jaga N.V. and its customers. In case Jaga N.V. holds it necessary, Jaga N.V. will sue its customers at the tribunals of their domicile or at the place in Belgium or abroad where their main establishment is.

## Deviations

Any individual agreement to amend these terms and conditions must be confirmed by Jaga N.V. in writing and is applicable only to the transactions referred to in that written correspondence.

# JAGA MATERIALS

## KNOCKONWOOD WOOD FINISHES



700 Oak natural



720 Beech natural



760 Maple natural



740 Zebrano natural



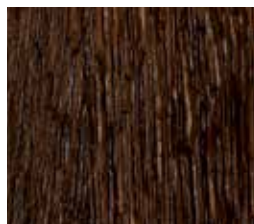
701 Oak bleached



721 Beech bleached



710 Mahogany



702 Oak wenge-coloured



780 Walnut

## PLAY

### Category 1



WHI Play White

### Category 2



BLA Play Black



PIA Play Piano



BOY Play4Boy



GIR Play4Girl

## HEATWAVE



623 Matt black



628 Light grey



# STANDARD COLOUR(S) BY RADIATOR

traffic white RAL 9016 133 Soft touch	traffic white RAL 9016 233 Glossy	traffic white RAL 9016 333 Satin	White RAL 9010 101 Soft touch	Sandblast grey 001 Fine texture	Off-black RAL 7021 145 Soft touch

## HEATING

	traffic white RAL 9016 133 Soft touch	traffic white RAL 9016 233 Glossy	traffic white RAL 9016 333 Satin	White RAL 9010 101 Soft touch	Sandblast grey 001 Fine texture	Off-black RAL 7021 145 Soft touch
<b>Strada</b>	●				●	●
<b>Linea Plus</b>	●				●	●
<b>Tempo</b>				●		
<b>Mini Wand</b>	●				●	●
<b>Mini Freestanding</b>	●				●	●
<b>Tempo Freestanding</b>				●		
<b>Linea Plus Freestanding</b>	●				●	●
<b>Panel Plus Horizontal</b>			●		●	●
<b>Panel Plus Freestanding</b>			●		●	●
<b>Iguana Circo Wall</b>			●		●	●
<b>Iguana Aplano</b>			●		●	●
<b>Iguana Arco</b>			●		●	●
<b>Iguana Visio</b>			●		●	●
<b>Iguana Corner</b>			●		●	●
<b>Iguana Angula Plus</b>			●		●	●
<b>Tetra</b>			●		●	●
<b>Panel Plus Vertical</b>			●		●	●
<b>Deco Space Vertical</b>			●		●	●
<b>Sani Ronda</b>		●			●	●
<b>Sani Basic</b>		●				
<b>Sani Electric</b>		●				

## HEATING AND LIGHT COOLING®

	traffic white RAL 9016 133 Soft touch	traffic white RAL 9016 233 Glossy	traffic white RAL 9016 333 Satin	White RAL 9010 101 Soft touch	Sandblast grey 001 Fine texture	Off-black RAL 7021 145 Soft touch
<b>Mini Freestanding Hybrid</b>	●				●	●
<b>Strada Hybrid</b>	●				●	●
<b>Vertiga Primo Hybrid</b>	●				●	●

## HEATING, LIGHT AND DEEP COOLING®

	traffic white RAL 9016 133 Soft touch	traffic white RAL 9016 233 Glossy	traffic white RAL 9016 333 Satin	White RAL 9010 101 Soft touch	Sandblast grey 001 Fine texture	Off-black RAL 7021 145 Soft touch
<b>Briza 12 Plug &amp; Play</b>	●					
<b>Briza 12/22</b>	●				●	●
<b>Freedom</b>	●				●	●

# JAGA COLOURS

Jaga has environmentally-friendly electrostatic powder coating lines. Excess powder is recuperated and no solvents are used during this process. After having been thoroughly pretreated, the units are powder coated and baked. This ensures that the unit is both UV and scratch resistant..

What does the first digit of the colour code stand for?

**Code 1xx** Soft touch: finely-textured matte look, gloss degree  $\leq$  10%

**Code 2xx** Glossy: smooth gloss finish, gloss degree  $\pm$  70%

**Code 3xx** Satin: smooth satin look, gloss degree  $\pm$  30%

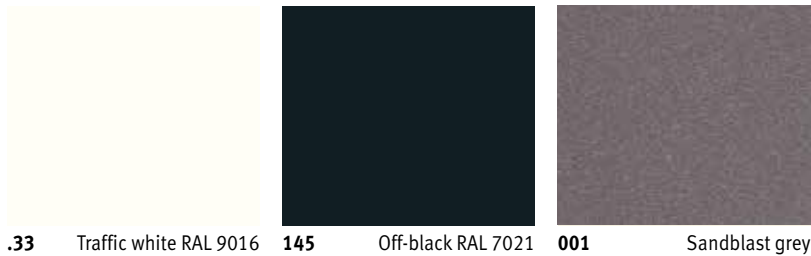
**Code 0xx** Metal lookalikes: the finish and the degree of gloss simulate the imitated material

All our lacquered units are available in every code, except for the Strada, Linea Plus, Mini, Briza, Vertiga Hybrid, and Freedom units. These units are not available in Code 2xx Glossy and Code 3xx Satin.

Our grilles and frames are available in all colours, with the exception of Sandblast grey 001. In case of intensive use (placement in circulation areas, for example in front of sliding windows and doors), wear is, of course, inevitable.

This colour chart has been compiled with the greatest care, nevertheless, minor deviations are possible.

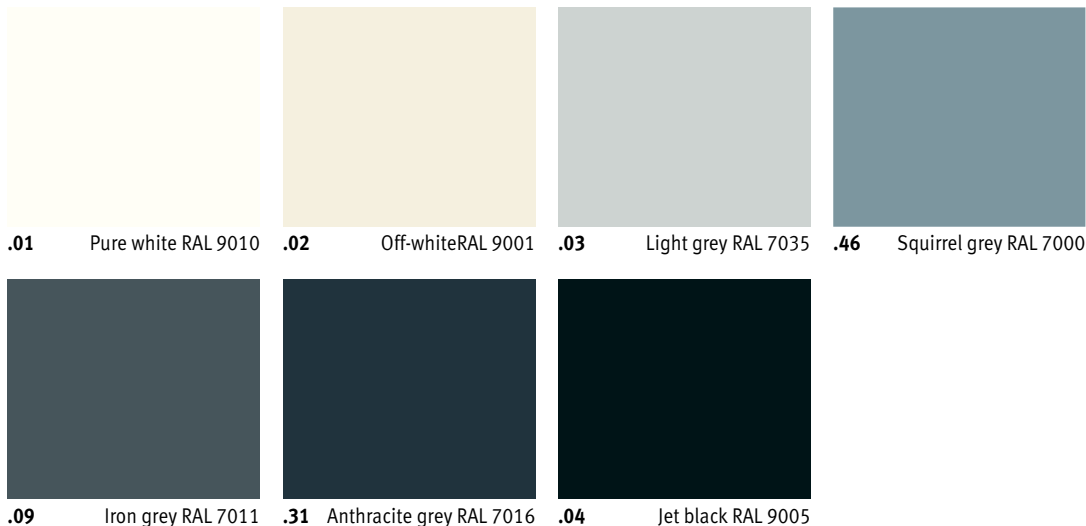
## Standard



Colour code . 33

| Fill up ordering code with 1, 2 or 3

## Subtle & discrete



Colour code . xx

| Fill up ordering code with 1, 2 or 3

# Colours of nature



157 Sandstone



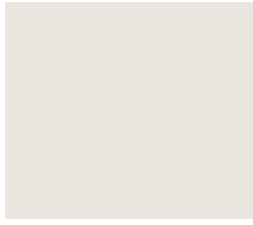
158 Siena ocher



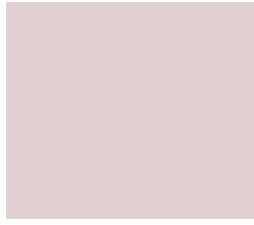
159 Honey yellow



160 Chocolate



154 Soft grey-pink



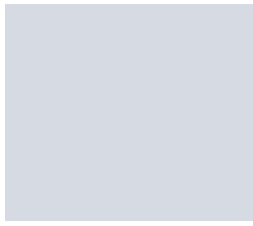
155 Millenium pink



111 Flaming red RAL 3000



156 Purple red RAL 3004



150 Soft grey-blue



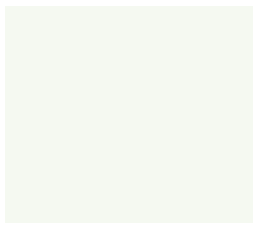
151 Pigeon blue RAL 5014



152 Gentian blue RAL 5010



153 Midnight blue



147 Soft green-beige



148 Pale green RAL 6021

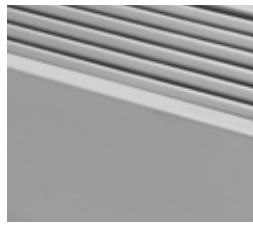


149 Emerald green RAL 6001



113 English green RAL 6009

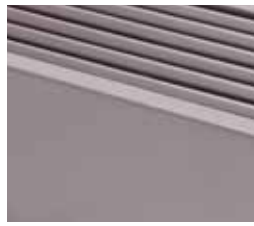
# Precious metals



054 White aluminium coloured  
RAL 9006



057 Titanium look



058 Rose gold look



059 Gold look



060 Copper look



061 Gunmetal grey look



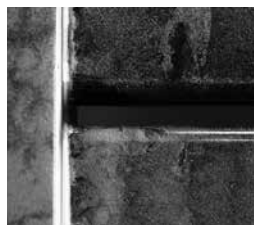
062 Stainless steel look



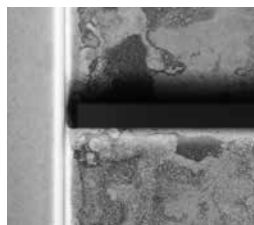
063 Silver look



055 Corten steel look



064 Transparent varnish  
glossy



065 Transparent varnish  
matte

*“ CLIMATE CHANGE AND EVOLUTION OF CONSTRUCTION TECHNIQUES DEMAND NEW ECOLOGICAL SOLUTIONS FOR HEATING, COOLING AND VENTILATION. ”*

New technologies have to consume far less energy. They have to insure a better indoor climate without damaging the outdoor climate. Traditional systems with fire and carbon emissions have to be extinguished. We have to evolve towards a green flame and build a sustainable path towards a better future. Choosing the sustainable path is no longer a matter of choice, it's an obligation.

Jaga Climate Designers is constantly looking for products and techniques that use as little energy and resources as possible, and thus benefit the climate. By cooling, ventilating and heating in a sustainable way, we strive for a better and healthier indoor and outdoor climate.